

\$24.95



A-ERA

Jackill's STARFLEET REFERENCE MANUAL

Ships of the Fleet Volume I



1
A-ERA

Written and Illustrated by
Eric Kristiansen



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Dedication

To my wife Diane

Without who's encouragement this book would not have been reprinted

Intro Info

Welcome reader to the first edition of Jackill's Star Fleet Reference Manuals. The descriptions of these futuristic vessels are a critique of their abilities and are related in contemporary terms as accurately as possible. The technology described here can be compared to existing technologies in other books, on television and in the movies. Hopefully, the information herein will provide a base of knowledge allowing one to understand the advancements required to achieve this level of technology. The book is presented in a futuristic format for reading enjoyment and should not be confused with any material from that time period.

The information contained in this manual is as accurate as allowed due to Star Fleet's ongoing program of misinformation intended to confound and confuse the intelligence efforts of potentially threatening forces. For high-level accuracy, consult Star Fleet archives.

Although not all statistics are given, all descriptions, drawings and statistics are intended to familiarize the reader with these vessels. Numerical statistics, such as weight and length, are given with the highest degree of accuracy available at the time of publication.

Read on fellow traveler, I hope that the information provided will increase your understanding of Life, the Universe and Everything.

Jackill

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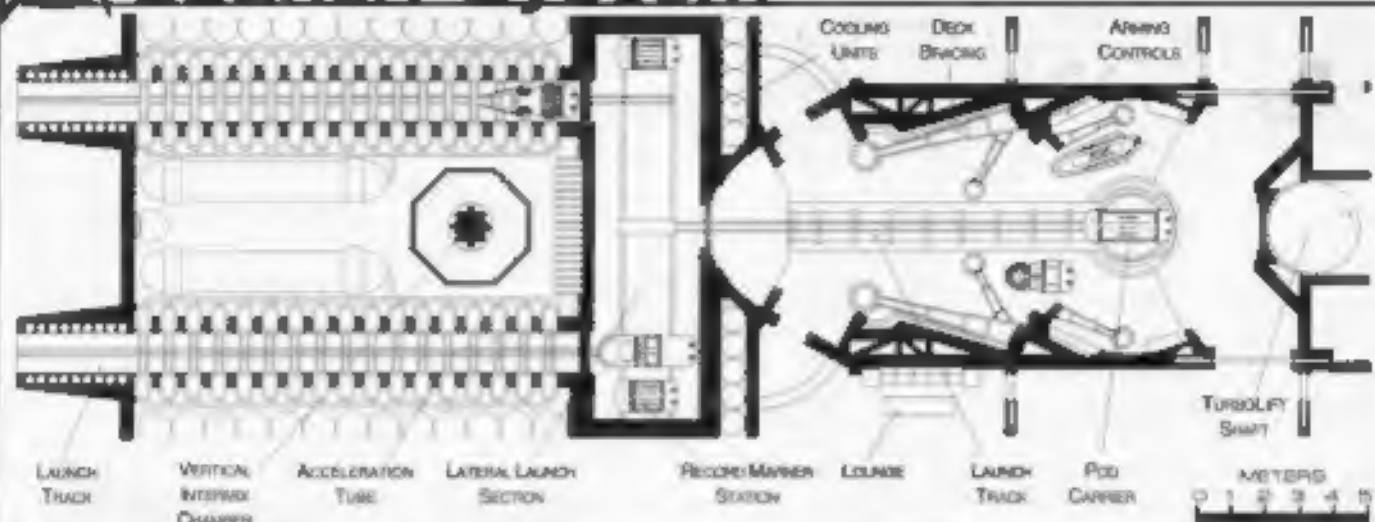
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Chapter
Section
Ship
Ship Detail



TORPEDOES/PROBES

Launch System



Size Comparison

Probes

Class I
Sensor Probe



Class II
Sensor Probe



Class III
Planetary Probe



Class IV
Stellar Encounter Probe



Class V
Reconnaissance Probe



Class VI
Communication Relay / Emergency Beacon



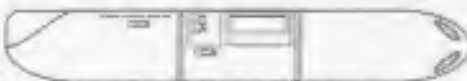
Class VII
Remote Culture Study Probe



Class VIII
Medium Range Multiradius Warp Probe

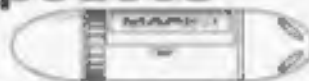


Class IX
Long Range Multiradius Warp Probe



Torpedoes

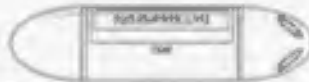
Mark I
Record Marker



Mark II
Surveillance Torpedo



Mark III
Space Mine



Mark IV
ECM Torpedo



Mark V
Sensor Torpedo



Mark VI
Photon Torpedo



Mark VII
Vessel Simulator Torpedo



TORPEDO



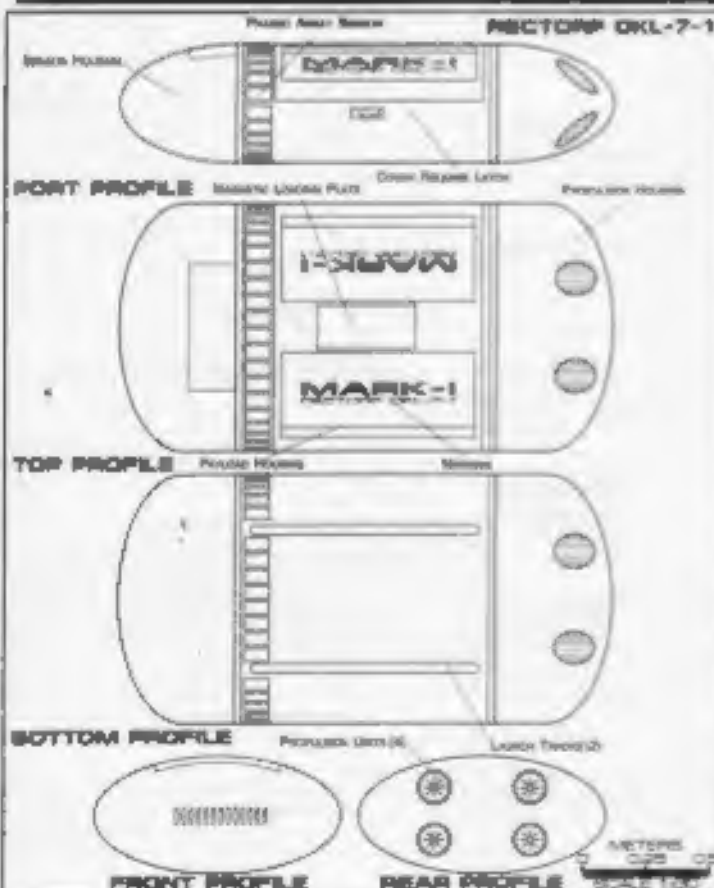
Torpedoes

All torpedoes are based on the same basic components. The front section contains the torpedo's sensors, the center section contains the payload and the rear section contains the micro-warp units used for propulsion. All torpedoes, in addition to carrying out specific missions, can act as low yield anti-matter torpedoes by detonating the remaining anti-matter used to drive the micro warp units. The torpedoes are launched from torpedo launch tubes that are standard on most Federation vessels.

Torpedo Emblem



For additional detail refer to Datasheet MVE-1



Mark I Record Marker Torpedo

General Information: The Record Marker Torpedo is the proverbial jettisonable black box of starships. When a vessel gets into a fatal situation, a record marker is jettisoned with all up to date records for an accurate account of events. A record marker is kept primed at all times to be jettisoned in the event that the vessel is unexpectedly destroyed. The marker can automatically transmit a distress beacon or lay in silence in enemy territory until a Federation craft transmits an activation signal. If an unauthorized attempt is made to access the marker's encrypted data it will self-destruct. Extra thick hull and advanced shielding allow the marker to survive in most instances even when the vessel has been completely destroyed.

Classification: Record Marker Torpedo

Class: MARK I

Dimensions:

Overall Dimensions (Standard)

Length: 1.95 m

Width: 0.88 m

Height: 0.47 m

Deployment (Standard)

Standard: 58.7 kg

Performance:

Warp Drive: 4 Micro Warp Units (0.0-3)

Cruising Speed: Warp 3

Max. Speed: Warp 6.77 Burst

Range: 1.2x10¹⁰ km

Duration: Years in Reverse Mode

Tonnage:

Chassis: 4,052

Output: 80 MW

Features:

Standard Postage

Additional Features:

Fedro Second Data Collection

Multi-Frequency Beacon



Mark II Surveillance Torpedo

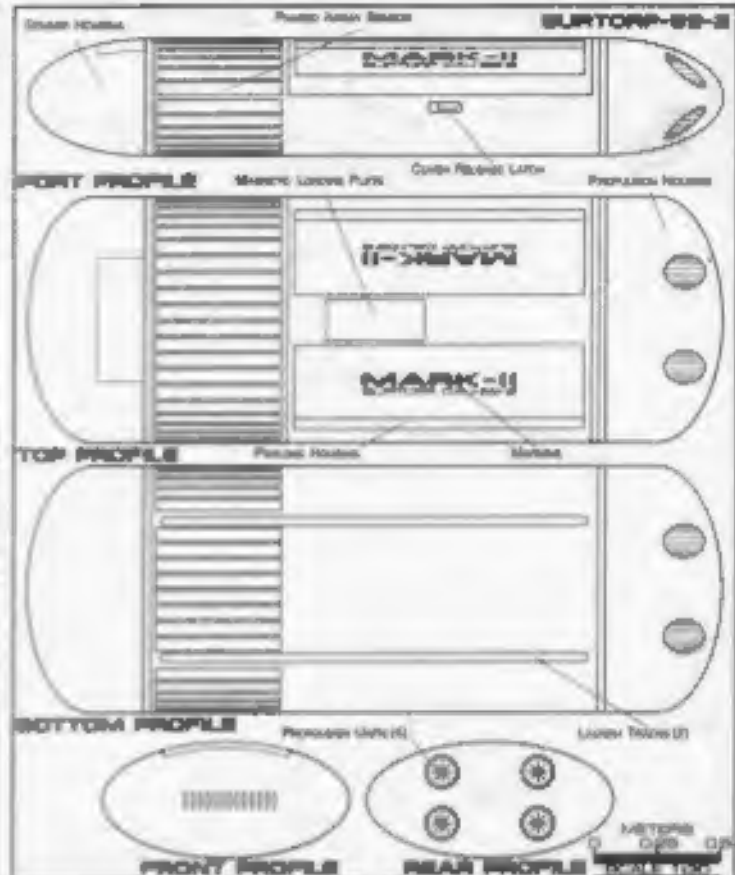
General Information: The Surveillance Torpedo is used when military surveillance is required. The pod is generally seeded in a target area or covertly placed in orbit around a planetary body. Located around the main housing are 44 phased array sensors. If required the pod can be used to attack the surveyed target.

Classification: Surveillance Torpedo
Class: MARK II

Dimensions:
Overall Dimensions (Meters)
Length: 2.75 m
Width: 0.88 m
Height: 0.47 m
Displacement (Metric Tons)
Standard: 142.5 kg

Performance:
Warp Units: 4 Micro Warp Units (LQ-3)
Cruising Speed: Warp 3
Max. Speed: Warp 5.77 Burst
Range: 1.2×10^5 km
Durability: Years in Reserve Mode

Telemetry:
Channels: 4,852
Output: 80 MW
Sensors:
Standard Package
Additional Features:
Point-to-Point Data Collection
Multi-Frequency Sonar
Phased Array Sensor



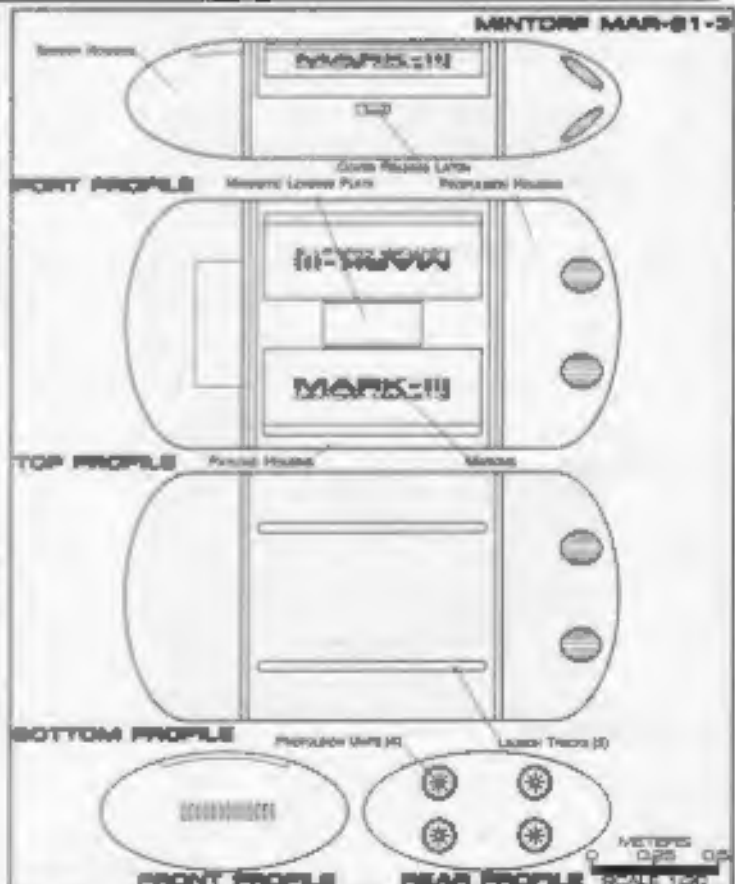
Mark III Space Mine

General Information: The Space Mine is a small anti-matter charged Photon Torpedo that can lay in waiting until an enemy craft enters its zone of protection. The mine can either be programmed to intercept an enemy craft or to follow enemy craft in an attempt to destroy additional enemy vessels that the craft may approach. The mine is equipped with sophisticated ship recognition software that allows the pod to evaluate each vessel that moves into its target area.

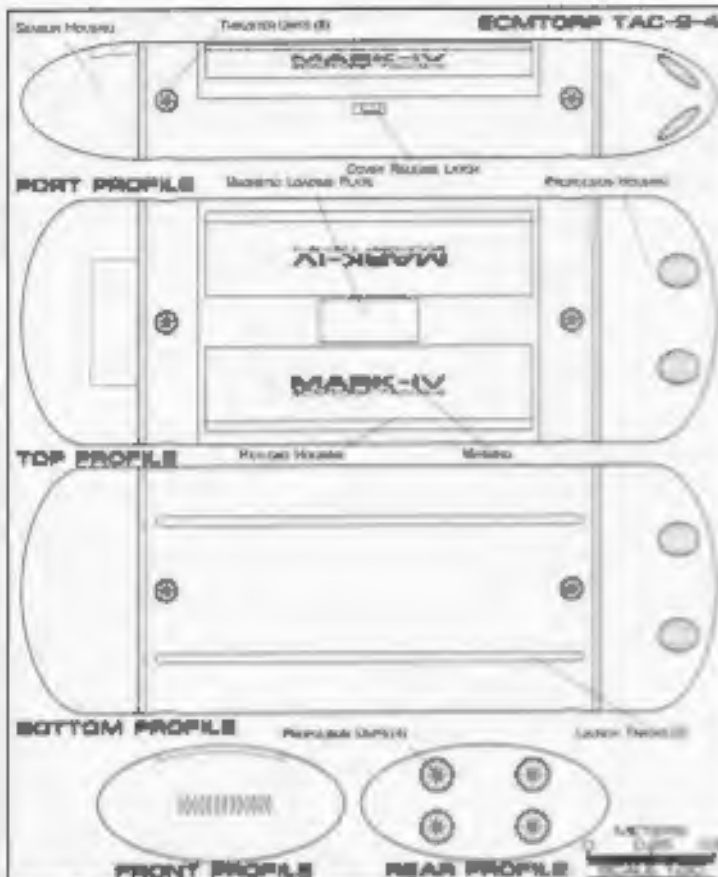
Classification: Space Mine
Class: MARK III
Dimensions:
Overall Dimensions (Meters)
Length: 1.95 m
Width: 0.88 m
Height: 0.47 m
Displacement (Metric Tons)
Standard: 110.2 kg

Performance:
Warp Units: 4 Micro Warp Units (LQ-3)
Cruising Speed: Warp 3
Max. Speed: Warp 5.0 Burst
Range: 1.2×10^5 km
Durability: Years in Reserve Mode

Telemetry:
Channels: 200
Output: 12 MW
Sensors:
Standard Package
Additional Features:
Ship Analysis Software
Variable Payload 10-20 Megatons



TORPEDO

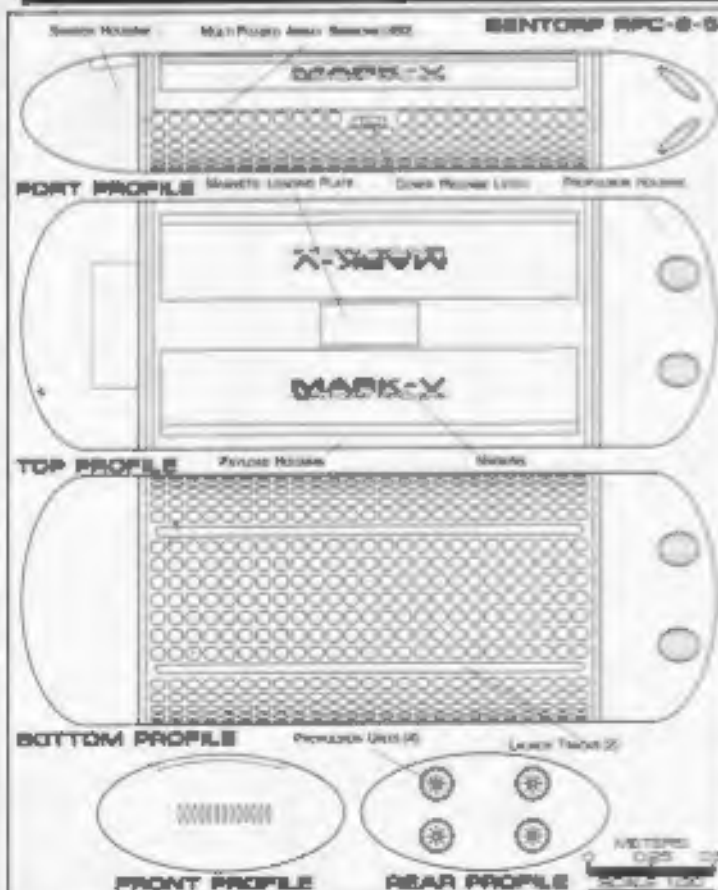


Mark IV ECM Torpedo

General Information: Electronic Counter-Measures Torpedoes are used to jam and mislead enemy sensors. ECM torpedoes can be used alone or in multiples allowing a vessel to saturate an area reducing the effectiveness of enemy sensors. The torpedo can also simulate a wide variety of naturally occurring background radiation to subtle obscure enemy sensors.

Classification: ECM Torpedo
Class: MARK IV
Dimensions:
Overall Dimensions (Standard)
 Length: 2.75 m
 Width: 0.56 m
 Height: 0.47 m
Displacement (Glide Pod)
 Standard: 133.2 kg
Performance:
 Warp Drive: 4 Micro Warp Units (0.5-5)
 Cruising Speed: Warp-3
 Max. Speed: Warp 9.77 Burst
 Range: 1.2x10⁸ km
 Duration: Years in Reserve Mode

Telemetry:
 Channels: 4 850
 Output: 80 MW
Sensors:
 Standard Package
Additional Features:
 Fermo Second Data Collection
 Multi-Frequency Beacon
 Electronic Counter Measures



Mark V Sensor Torpedo

General Information: The Sensor Torpedo is used for long range reconnaissance missions. Located along the lower part of the payload section are 425 phased array sensor discs which give the pod an exceptionally sensitive data acquisition system. In order to avoid detection many of the torpedoes sensors are designed for passive information gathering. If required, the torpedo can also be used to attack enemy targets at remote locations.

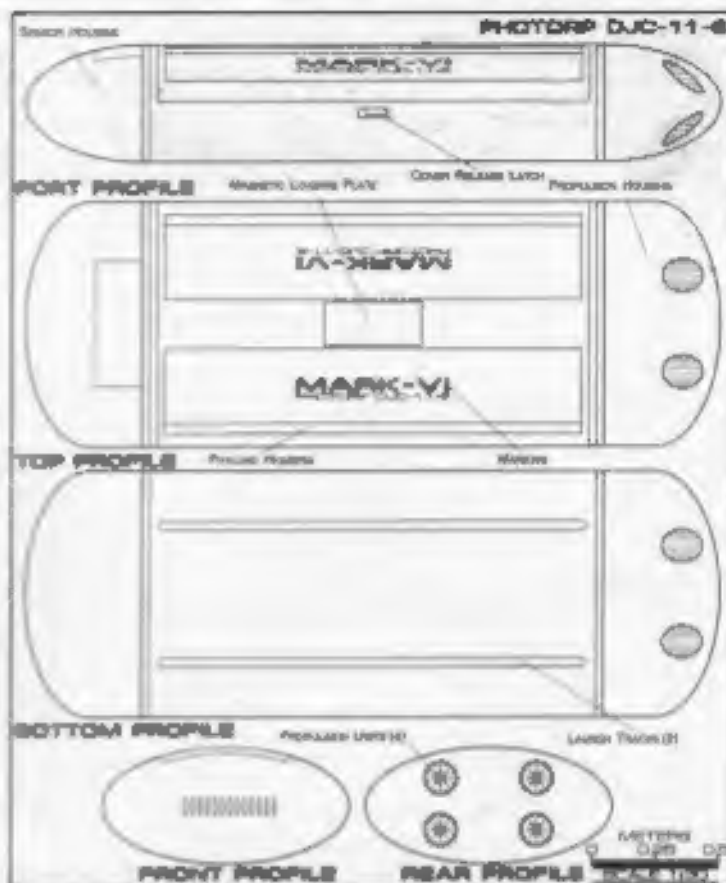
Classification: Sensor Torpedo
Class: MARK V
Dimensions:
Overall Dimensions (Standard)
 Length: 2.75 m
 Width: 0.56 m
 Height: 0.47 m
Displacement (Glide Pod)
 Standard: 142.5 kg
Performance:
 Warp Drive: 4 Micro Warp Units (0.5-5)
 Cruising Speed: Warp-3
 Max. Speed: Warp 9.77 Burst
 Range: 1.2x10⁸ km
 Duration: Years in Reserve Mode

Telemetry:
 Channels: 4 850
 Output: 80 MW
Sensors:
 Standard Package
Additional Features:
 Fermo Second Data Collection
 Multi-Frequency Beacon
 Multi-Phased Array Sensor

Mark VI Photon Torpedo

General Information: The Photon Torpedo is one of the most common weapons carried aboard Federation vessels. The Photon torpedo contains anti-photons (antimatter) which have light-speed annihilation times which heavier antimatter particles such as anti-protons and anti-neutrons cannot achieve. This reduced reaction time, creates a faster, more intense shock wave for a very destructive effect.

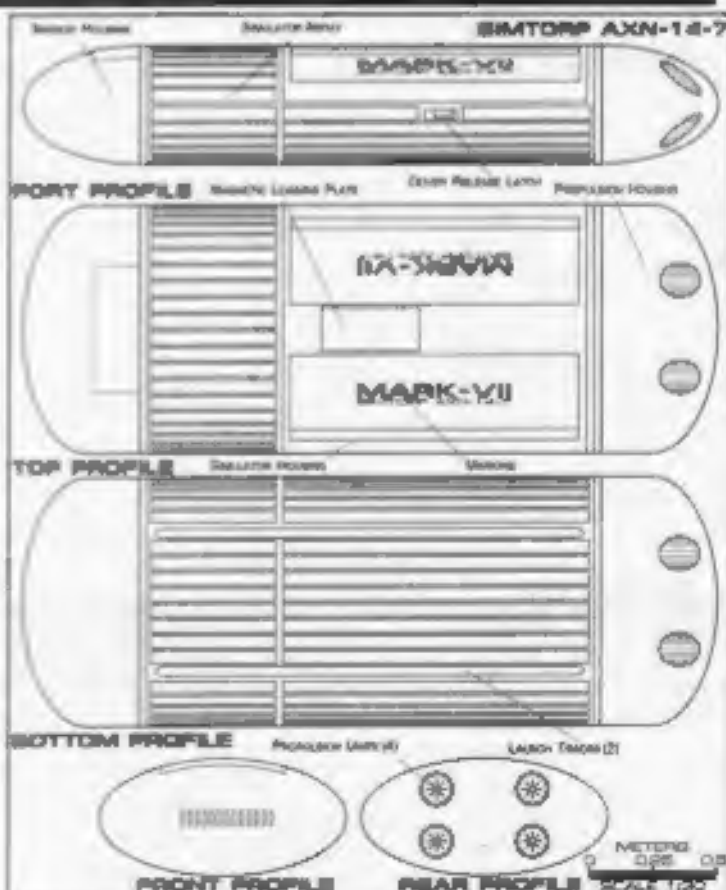
Classification: Photon Torpedos	Telegraphy:
Class: MARK VI	Channels: 300
Dimensional:	Output: 20 MW
Overall Dimensions (meters)	Capacity:
Length: 2.75 m	Standard Payloads:
Width: 0.88 m	Additional Features:
Height: 0.47 m	Variable Payload: 10-20 Megatons
Displacement (Metric Tons)	
Standard: 140.3 kg	
Performance:	
Warp Units: 4 Micro Warp Units (LQ-3)	
Cruising Speed: 898 C	
Max. Speed: Warp 9.8	
Range: 1.2×10^{10} km	
Dwelltime: Years in Reserve Mode	



Mark VII Vessel Simulator Torpedo

General Information: This torpedo can simulate various spacecraft with the exception of a visual output. The torpedoes can be used alone or in groups to simulate multiple vessels. They can also be used as decoys drawing attention away from the launch vessel.

Classification: Vessel-Breacher Torpedo	 telemetry:
Class: MARK VI	Channel: 4, 857
Dimensions:	Output: 60 MW
Overall Dimensions (Estimated)	Stores:
Length: 2.75 m	Standard Package
Width: 0.98 m	Additional Features:
Height: 0.47 m	Form: Second Date Collection
Displacement (Metric Tons)	Multi-Propulsion System
Standard: 130.2 kg	Simulator Array
Performance:	Vessel Simulation Software
Warp Units: 4 Micro Warp Units (L-G-3)	
Cruising Symbol: Warp 3	
Max. Speed: Warp 9.77 Burst	
Range: 1.2x10 ⁸ km	
Duration: Years in Reserve Mode	



PROBES



Probes

Due to the large amount of Federation exploration it was found that the use of probes greatly enhances the sensory abilities of a starship. The probes are launched using the existing torpedo launch systems that are standard equipment on most Federation vessels. If the vessel is not equipped with torpedo launch equipment, the sensors can be deployed from the shuttlecraft or research bays at reduced speed and range.

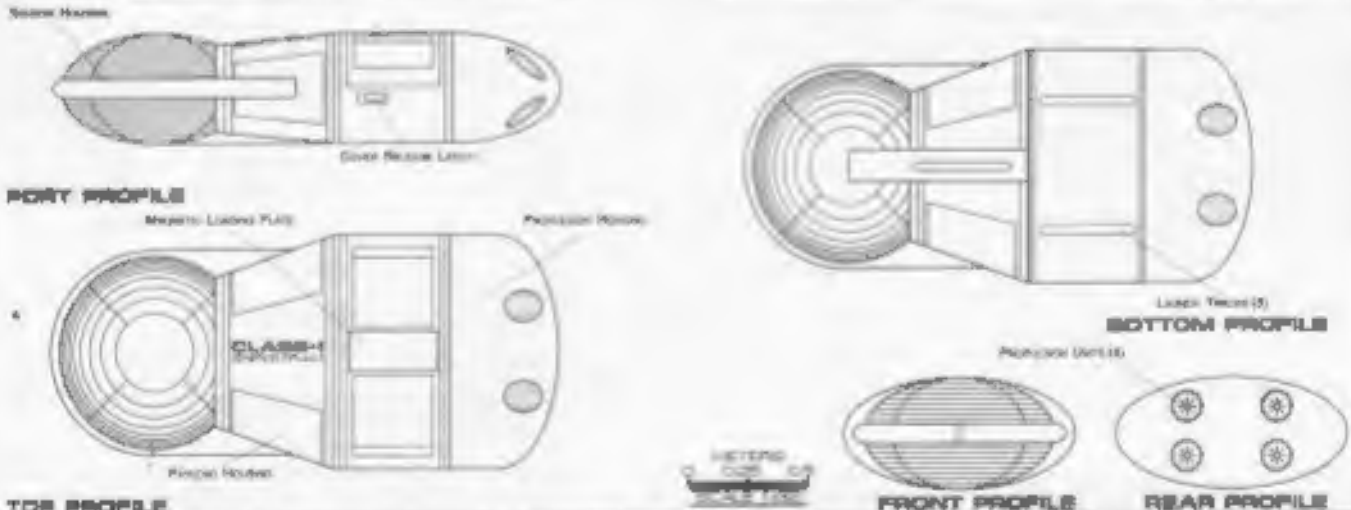
Probe Emblem



For additional detail refer to Datasheet MVE-2

Class I Sensor Probe

SENPROB FIR-44-1



General Information: Most Federation vessels are equipped with general purpose Class I Sensor Probes. The Class I Sensor Probe is a short range, compact sensory package that includes a diagnostic chemistry laboratory.

Classification: Sensor Probe	Telemetry:
Class: I	Channels: 12,500
Dimensions:	Output: 12 MW
Overall Dimensions (Meters):	Sensors:
Length: 2.14m	Standard Package:
Width: 0.90m	Electromagnetic
Height: 0.47m	Subspace Chemistry
Displacement (Metric Tons):	Interstellar Chemistry
Standard: 108.74kg	Subspace Chemistry
Performance:	Additional Features:
Warp Drive: 4 Extension Units (STR-3)	See Text
Cruising Speed: 20.5 C	
Max. Speed: Warp 5.77	
Range: 2x10 ⁵ km	



PROBES

EXPLORER CLASS

Class II Sensor Probe

SENPROB DSU-2-2

Scale: 1:1000

Probe: DSU-2-2

PORT PROFILE

TOP PROFILE

CLASS II

BOTTOM PROFILE

FRONT PROFILE

REAR PROFILE

General Information: Most Federation vessels are equipped with some extended purpose Class II Sensor Probe. The Class II Probe is the standard long range sensory package included with most standard package and additional sensors and sensors are available for purchase at additional cost.

Classification: Sensor Probe

Type:

Dimensions:

Overall Dimensions (Meters):

Length: 10

Width: 5

Height: 2

Displacement (Metric Tons):

Standard: 150

Performance:

Warp: 10.5 (Maximum) (10.5% SLT)

Cruising Speed: 10

Max Speed: Warp 10

Range: 10,000

Features:

1. Sensors: 100

Output: 100

Sensors:

Standard Package

Spontaneous

Subspace Chemistry

Interstellar Chemistry

Subspace Chemistry

Long Range Particle Detectors

Field Detectors

Additional Features:

Imaging Systems

Class III Planetary Probe

PLANPROB DMJ-12-3

Scale: 1:1000

PORT PROFILE

TOP PROFILE

BOTTOM PROFILE

FRONT PROFILE

REAR PROFILE

General Information: The Planetary Probe is designed for the exploration of interstellar bodies. The probe has a reinforced hull designed to hold off extreme atmospheric pressures. The pod is equipped with an extensive chemical diagnostic laboratories and has the ability to loiter around stellar bodies for extended periods of time. If needed the sensor can also soft-land on planetary bodies with a gravity of less than 1g and survive impacts up to 1000 K/sec.

Classification: Planetary Probe

Type:

Dimensions:

Overall Dimensions (Meters):

Length: 10

Width: 5

Height: 2

Displacement (Metric Tons):

Standard: 150

Performance:

Warp: 10.5 (Maximum) (10.5% SLT)

Cruising Speed: 10

Max Speed: Warp 10

Range: 10,000

Features:

Channels: 100

Output: 100

Sensors:

Standard Package

Temperature Sensors

Gas Giant Sensors

Field Detectors

Additional Features:

Droplet Chemical Analyzer

Mineral Sampler

Reinforced Hull (1000 bar Pressure)

Soft Landing Ability

Unlimited Tethered Loiter Time

FEDERATION PROBE



Class IV Stellar Encounter Probe

STUPROB HNT-2-B

Body in Motion

WALL SIZE: 2000x1000

CLASS IV

EXPLOSION ANALYSIS: 100% SURE

PORT PROFILE

WALL SIZE: 2000x1000

WALL SIZE: 2000x1000

BOTTOM PROFILE

WALL SIZE: 2000x1000

TOP PROFILE

WALL SIZE: 2000x1000

FRONT PROFILE

REAR PROFILE

General Information: The Stellar Encounter Probe is used to study the evolution of stars and similar stellar bodies such as remnants, singularities and protostars. This probe is equipped with extensive shields to repel the immense plasma flux and tidal gravity forces that occur as the probe approaches a star. The probe is equipped with 6 deployable radiation flux sensors.

Classification: Stellar Probe

Size:

Dimensions:

Overall Dimensions (meters):

Length: 10m

Width: 5m

Height: 3m

Displacement (Metric Tons):

Standard: 15.5 kg

Performance:

Warp Core: 4 (Standard Unit) (STN-4)

Cruising Speed: 1.0 c

Max. Speed: Warp 1.1

Range: 1.0 c² km

Telemetry:

Channels: 4, 750

Output: 60 MW

Sensors:

Standard Package:

Stellar Field Sensors:

Particle Detectors:

Stellar Atmosphere Sensors:

Additional Features:

6 Deployable Radiation Flux Sensors

Standard

Class V Reconnaissance Probe

RBCPROB YHJ-3-B

Body in Motion

CLASS V

PORT PROFILE

WALL SIZE: 2000x1000

BOTTOM PROFILE

WALL SIZE: 2000x1000

TOP PROFILE

WALL SIZE: 2000x1000

FRONT PROFILE

REAR PROFILE

General Information: The Reconnaissance Probe is a passive information gathering device. This probe differs from the other sensory probes in that it can loiter undetected for extended periods of time and compile large amounts of data.

Classification: Reconnaissance Probe

Size:

Dimensions:

Overall Dimensions (meters):

Length: 10m

Width: 5m

Height: 3m

Displacement (Metric Tons):

Standard: 4.5 kg

Performance:

Warp Core: 2 (Micro Ship Unit) (STN-2)

Cruising Speed: Warp 2

Max. Speed: Warp 2.5

Range: 4.5 c² km

Telemetry:

Channels: 4, 120

Output: 7.5 MW

Sensors:

Standard Package:

Electromagnetic

Stellar Chemistry

Interstellar Chemistry

Stellar Chemistry

Additional Features:

Passive Sensors

Low Observability

Self Landing Ability



Class VI Comm Relay / Emergency Beacon

COMPROB DQY 71-B

Designation:

PORT PROFILE

Model: 1000-001

CLASS VI

BOTTOM PROFILE

Periscope (left)

TOP PROFILE

FRONT PROFILE

REAR PROFILE

General Information: Being long range explorers, probes are required to maintain a high level of visibility. The relay emergency beacon is used to locate a probe in other situations. This probe is designed to temporarily replace a probe in emergency situations. The probe is used to increase the transmission range of other classes of probes by creating a network of probe stations.

Classification: Relay Beacon

Size:

Dimensions:

Overall Dimensions (Standard)

Length: 10m

Width: 2m

Height: 1m

Displacement (Gross Total)

Standard: 10,000 kg

Performance:

Warp Factor: 1000000 (1000000)

Cruising Speed: 100

Max Speed: 1000000

Range: 10,000 km

Velocity:

Class: 100

Design: 1000000

Features:

Standard Package:

Communication Frequency:

Additional Features:

High Gain Antenna:

Extended Power Supply:

Class VII Remote Culture Study Probe

CLTPROB TLU-1-7

Designation:

PORT PROFILE

Model: 1000-001

TOP PROFILE

BOTTOM PROFILE

Periscope (left)

FRONT PROFILE

REAR PROFILE

General Information: The Remote Culture Study Probe through the use of low observability technology attempts to remain undetected while studying foreign cultures. In the event that the probe is discovered by an alien culture a built in molecular self-destruction device breaks all mechanical and electrical parts down to base elements so that nothing can be learned from the probe that could alter their cultural path.

Classification: Remote Probe

Size:

Dimensions:

Overall Dimensions (Standard)

Length: 10m

Width: 2m

Height: 1m

Displacement (Gross Total)

Standard: 10,000 kg

Performance:

Warp Factor: 1000000 (1000000)

Cruising Speed: 100

Max Speed: 1000000

Range: 10,000 km

Velocity:

Class: 100

Design: 1000000

Features:

Standard Package:

Territorial Sensor:

Additional Features:

Passive Sensors:

Low Observability:

Self-Landing Ability:

Extensive Laying Ability:

PROBES



Class VIII Medium Range Multimission Warp Probe

MRWPROB DFC-2-2

Sensor Housing

Launch Tracks (4)

PORT PROFILE

Warrior Launch Pad

BOTTOM PROFILE

TOP PROFILE

Probe Housing

FRONT PROFILE

REAR PROFILE

General Information: The Medium Range Warp Probe can carry various payloads at warp speeds. The payload section carries custom equipment, intelligence gathering devices or supplies to whatever location is needed. The probe also has an extended sensor housing containing general purpose sensors.

Classification: Medium Range Warp Probe Telestary	Characteristics: 4 500
Class: II	Output: 500 MW
Dimensions:	Sensors:
Overall Dimensions (Standard):	Standard Standard
Length: 10m	Various Modules
Width: 6m	Additional Features:
Height: 4m	Modular Sensor Ability
Displacement (Standard Total):	
Standard: 15.83 kg	
Performance:	
Warp Factor: 4 Micro Warp Units (MWU-3)	
Cruising Speed: Warp 6.0	
Max. Speed: Warp 6.77	
Range: 4.0 x 10 ¹²	

Class IX Long Range Multimission Warp Probe

LRWPROB SWS-2-2

Sensor Housing

Comms Relay Array

Launch Tracks (4)

PORT PROFILE

Warrior Launch Pad

Probe Housing

BOTTOM PROFILE

TOP PROFILE

Probe Housing

FRONT PROFILE

REAR PROFILE

General Information: The Long Range Warp Probe due to its extended drive section is able to carry various payloads at warp speeds over extremely long distances. The payload section carries custom equipment, intelligence gathering devices or supplies to whatever location is needed. The probe has an extended sensor housing to carry additional sensors.

Classification: Long Range Warp Probe Telestary	Characteristics:
Class: III	Characteristics: 5 500
Dimensions:	Output: 250 MW
Overall Dimensions (Standard):	Sensors:
Length: 10m	Standard Standard
Width: 6m	Various Modules
Height: 4m	Additional Features:
Displacement (Standard Total):	Modular Sensor Ability
Standard: 15.83 kg	
Performance:	
Warp Factor: 4 Micro Warp Units (MWU-3)	
Cruising Speed: Warp 6.0	
Max. Speed: Warp 6.77	
Range: 4.0 x 10 ¹²	



General Information

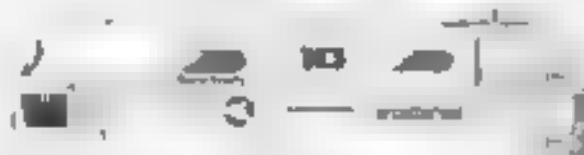
A large number of small support vehicles are required by Starfleet in order to carry out various missions such as construction transportation and defense. Shuttlecraft are predominantly designed for specific mission requirements in order to create the smallest most effective package.

Shuttles are sometimes very useful for moving small groups of people when transporters can not be used for one reason or another.

Size Comparison



Aquatic Shuttlecraft • Manta Class



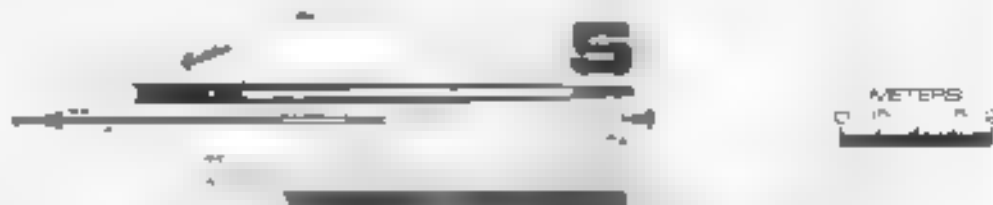
Escape Pod (40 Person) • Sanctuary Class



Light Assault Shuttle • Goblin Class



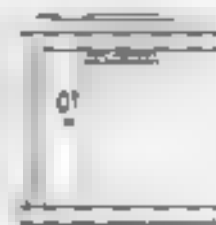
Light Fighter • Wasp Class



Standard Shuttlecraft • Dallan Class



Travel Pod • Viewer Class



Turbolift • Shifter Class

AQUATIC SHUTTLE



General Information

Specific Role: The Aquatic Shuttlecraft is used for exploration and transportation on worlds with liquid surfaces. The shuttle handles both positive and negative pressures which allow it to function both in the vacuum of space and the extreme pressures associated with aquatic environments.

Physical Description: The hull is a long wedge shape and is equipped with three airlocks for personnel and equipment. Two are located on either side and the third is a surface hatch located on the top of the craft. Positioned on either side of the shuttle are (SM)AOL 14 navigational sensor arrays. This shuttle is equipped with a unique (UP)175-24 Aquatic Phaser located at the front of the shuttle. Sublight propulsion is provided by impulse drive units mounted either section of the hull.

For additional detail refer to Data Sheet MST 2

Statistics

Classification: Aquatic Shuttlecraft
Category: Shuttlecraft
Class: Manta
Type: Manta 5
Model: M-10X
Naval Construction Contract: 000
Dimensions:
Overall Dimensions (Meters):
 Length: 29m
 Width: 1.7m
 Height: 4.5m
Displacement (Metric Tons):
 Light: 5,500t
 Standard: 5,900t
 Full Load: 6,900t
Performance:
Impulse Thrust: Full Power (P04G4-AQ)
Impulse Engine Output: 8x10⁶ W
Max Cruising:
Acceleration Rate:
 0.00-0.25 Impulse: 0.31 sec
 0.25-0.50 Impulse: 0.0K sec
 0.50-0.75 Impulse: 0.0K sec
 0.75 Full Impulse: 0.245 sec
Warp Drive: A
Warp Engine Output: N/A
Optimum Speed: N/A
Max Safe Cruising: N/A
Emergency Speed: N/A
Max Speed: 1/2
Destructive Speed: N/A
Acceleration Power: N/A
Acceleration Times:
 Warp 1 Warp 2 N/A
 Warp 3 Warp 3 N/A
 Warp 3 Warp 4 N/A
 Warp 4 Warp 3 N/A
 Warp 5 Warp 5 N/A
 Warp 5 Warp 7 N/A
 Warp 7 Warp 5 N/A
 Warp 8 Warp 8 N/A
 Warp 8 Warp 9 N/A
 Warp 9 Warp 9 N/A
 Warp 9 Warp 9.5 N/A
 Warp 9.5 Warp 9.5 N/A
 Warp 9.5 Warp 9.9 N/A
Deep Sea (Yards):
 Maximum: 1000
 Minimum: 100
Sub Light Complement: 0
Crew:
Passengers: 1
Emergency conditions: 0
Transporters Total: 0
 1 Person
 2 Person 0
 3 Person 0
 Small Cargo 0
 Medium Cargo 0

Tractor Beams:

Tow Capacity: 5.10x10² m
Max Range: 10x10 km
Cargo Specification:
 Standard Cargo Units: N/A
 Cargo Capacity: N/A
Shuttlecraft Specifications:
Docking Ports:
Cloaking Devices: 0
Sensor Index Values:
 Planetary Survey: 254
 Stellar Survey: 2942
Short Range:
Long Range: 020
Navigation: 1/2K7
Special: 2/2

Computers:

Type: Nureay Magna 16 d
Type: Nureay Magna 2r

Shield Rating:

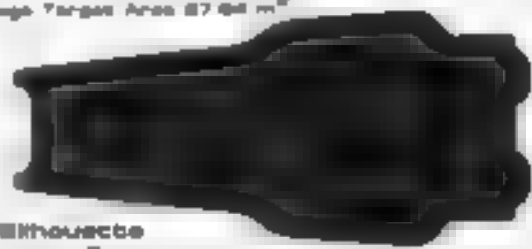
Shield Power: 4.72x10⁶ W
Refresh Rate: 34x10⁶ W
Breakdown Rate: 6.2x10⁶ W
Shield Dimensions (Meters):
 Length: 6.0m
 Width: 0.83m
 Height: 2.00m

Weapons:

Weapon Placement:
Beam (Phasers) Total: 1 Mount
Output: 5.0x10⁶ W 5.0x10⁶ W
Range: 5x10 km
Rate of Fire: 2/2 1/2 1/2
Forward Banks:
 Rear Banks: 0
 Port Banks: 0
 Starboard Banks: 0
 Upper Banks: 0
 Lower Banks: 0
Beam (Heavy Phasers) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Forward Rear Banks: 0
Port Starboard Banks: 0
Upper/Lower Banks:
Missiles (Photons) Total: N/A
 Block: N/A
 Range: N/A
Output: N/A
Rate of Fire: N/A
Forward Bay: 1
Rear Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

Craft Silhouettes

Total Target Area: 53.81 m²
Average Target Area: 17.94 m²



Top Silhouette
 Area: 21.28 m²



Port Silhouette
 Area: 14.08 m²



Front Silhouette
 Area: 8.45 m²

Class Emblem





AQUATIC SHUTTLE

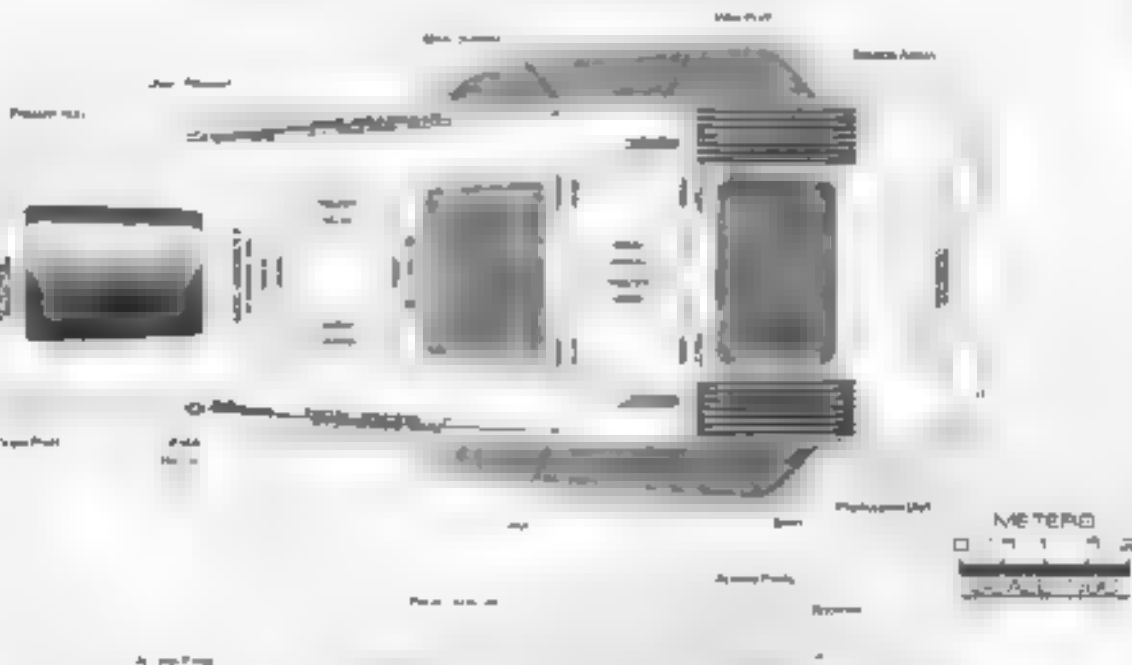
MANTA CLASS

FEDERATION CRAFT

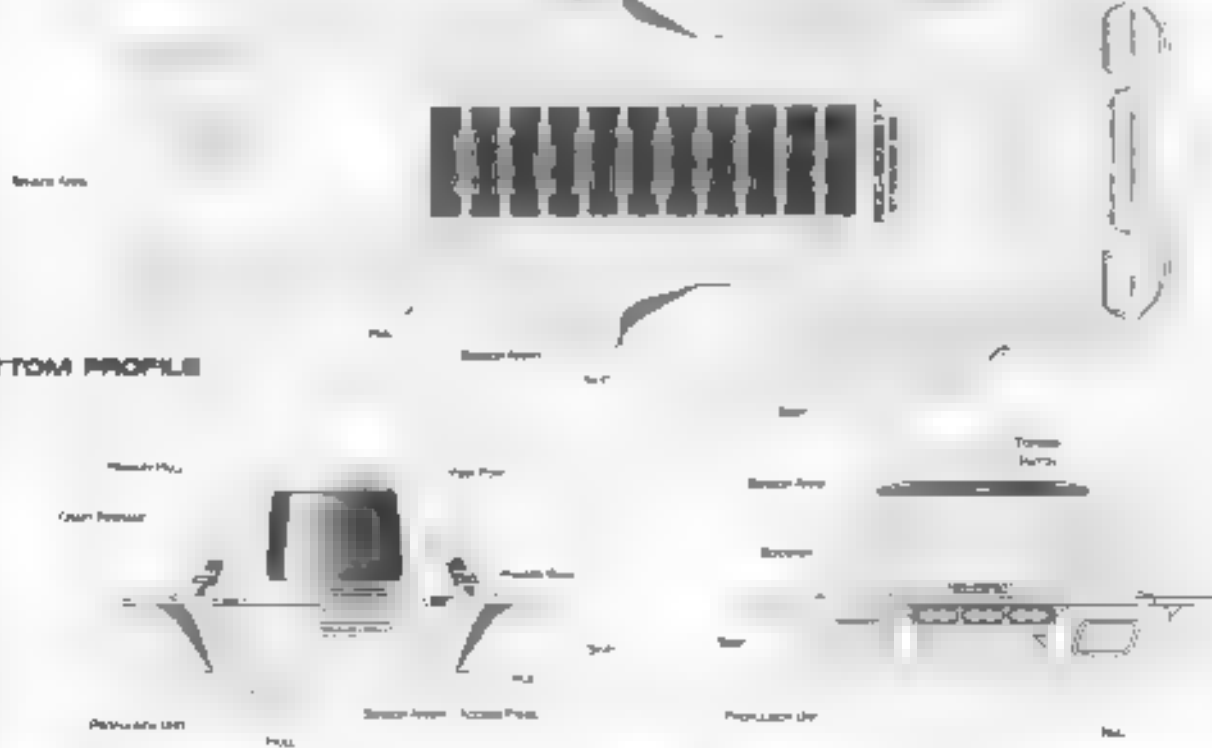
PORT PROFILE



TOP PROFILE



BOTTOM PROFILE



FRONT PROFILE

REAR PROFILE

ESCAPE POD (40 Person)



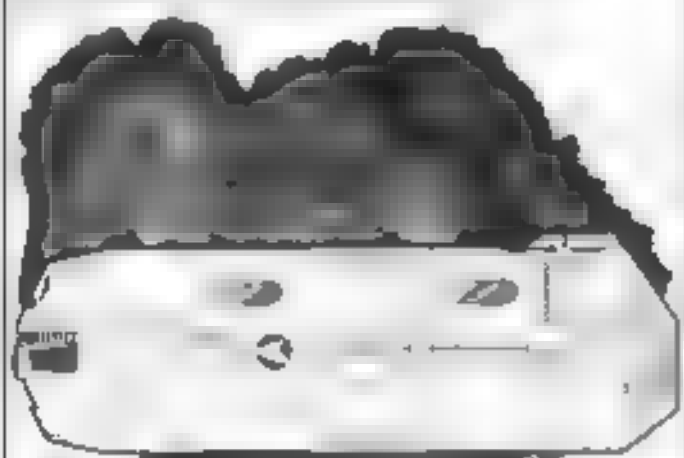
General Information

Specific Role: The Sanctuary Escape Pod is designed to remove personnel during an emergency evacuation. The Escape Pod is located behind explosive panels on Starships. This panel is jettisoned during an emergency allowing the pod to make a quick egress.

Physical Description: The hull is a squat shape designed to maximize the use of space while the pod is in storage. Two doors are located on either side of the pod. A large viewport is located in the rear of the pod. Positioned on either side of the shuttle are COMBAT 3.0I navigational sensor arrays. Sublight propulsion is provided by two compact main thrust units located at the rear section of the craft. The main thrust units are designed to be a highly efficiency engine designed for short term use.

For additional data refer to Data sheet MVP

Class Emblem



Sanctuary Class
40 PERSON ESCAPE POD

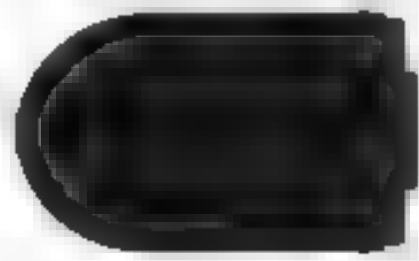
Statistics

Classification: Escape Pod
Category: Shuttlecraft
Class: Pod
Type: Pod
Model: MVP II
Naval Construction Contract: EP-40
Dimensions:
Overall Dimensions (Meters)
Length 8m
Width 7m
Height 4m
Displacement (Metric Tons)
Light 15m
Standard 3m
Full Load 24.00m
Performance
Impulse Counter: Dual and 12P21F 2-IP1
Impulse Engine Output: 6.2x 10¹⁰ W
Max Cruising
Acceleration Rate:
0.00 to 35 impulse 0.40 sec
0.25 to 50 impulse 1.00 sec
0.50 to 75 impulse 700 sec
0.75 Full Impulse 0.340 sec
Warp Units: N/A
Warp Engine Output: N/A
Optimum Speed: N/A
Max Maneuvering: N/A
Emergency Speed: N/A
Max Speed: 1.1
Destructive Speed: 1.1
Acceleration Power: 1.1
Acceleration Times
Warp 1 Warp 2 N/A
Warp 2 Warp 3 N/A
Warp 3 Warp 4 N/A
Warp 4 Warp 5 N/A
Warp 5 Warp 6 N/A
Warp 6 Warp 7 N/A
Warp 7 Warp 8 N/A
Warp 8 Warp 9 N/A
Warp 9 Warp 10 N/A
Warp 10 Warp 11 N/A
Warp 11 Warp 12 N/A
Duration (Years)
Standard 1 year
Maximum 1 year
Std. Cargo Complement: 1
Crew:
Passengers: 40
Emergency condition: +20
Transporters Total: 1
1 Person
3 Person
6 Person
Small Cargo 0
Medium Cargo 0

Tractor Beams
Tow Capacity: 5.10x10¹⁰ m
Max Range: 7.10x10¹⁰ m
Cargo Specification:
HEAVY Cargo Data: N/A
Cargo Capacity: N/A
Shuttlecraft Specifications:
Docking Ports: 0
Cloaking Devices: 0
Sensor Index Values:
Planetary Survey: 254
Satellite Survey: 3842
Short Range:
Long Range: 025
Navigation: 0.98
Special: 1.3
Computers:
Type: N/A by Magna 4.7
Type: N/A by Magna 4.7
Shield Rating
Shield Power: 3.72x10¹⁰ W
Refresh Rate: 1.34x 10¹⁰ W
Breakdown Rate: 8.1x 10¹⁰ W
Shield Dimensions (Meters)
Length 4.0m
Width 4.0m
Height 4.0m
Weapons
Weapon Placement
Beam (Phasers) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Forward Banks: 0
Rear Banks: 0
Port Banks: 0
Starboard Banks: 0
Upper Banks: 0
Lower Banks: 0
Beam (Heavy Phasers) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Forward/Rear Banks: 0
Port/Starboard Banks: 0
Upper/Lower Banks: 0
Missiles (Photon) Total: N/A
Stock: N/A
Range: N/A
Output: N/A
Rate of Fire: N/A
Forward Bay: 0
Rear Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

Craft Silhouettes

Total Target Area 87.94 m²
Average Target Area 80.38 m²



Top Silhouette
Area 31.3 m²



Port Silhouette
Area 17.08 m²

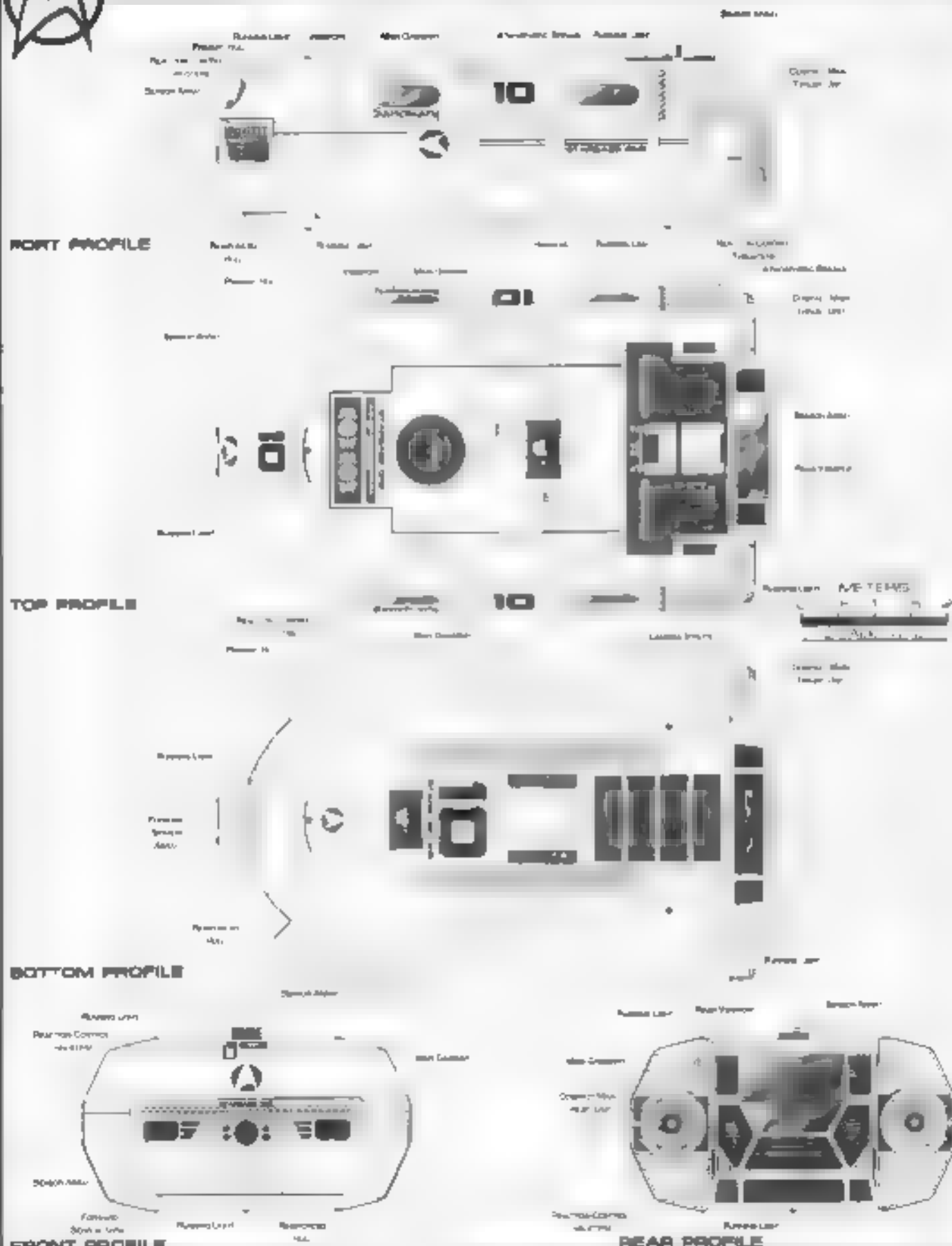


Front Silhouette
Area 25.11 m²



ESCAPE POD (40 Person)

Figure 1



LIGHT ASSAULT SHUTTLE



General Information

Specific Role: The Light Assault Shuttlecraft is deployed by the United Federation of Planets Peace Keeping Forces (Starfleet Marines) for a swift assault role. The Shuttle's role is two fold: point assault and the delivery of assault troops through the large door located to the rear of the vessel.

Physical Description: The hull is shaped in a long wedge and is equipped with three doors. Two of the doors are located one on either side of the crafts forward section and the third serves as a sliding hatch that opens the rear section completely. Positioned on both sides of the shuttle are 5M DN's 2 Z navigational sensor arrays. This shuttle is equipped with both H/L 2 55g phasers and PB/2 25W photon missiles. The phasers are mounted both port and starboard just forward of the main entrance and the photon missile launchers are installed below on the lower hull. Sublight propulsion is provided by the impulse drive system located on the lower rear section of the craft. Warp power is provided in (SW08/1 500) micro nacelles which are mounted on each side of the hull.

For detailed information refer to Data sheet MVM-1.

Class Emblem



Statistics

Classification: LVA Assault Shuttle
Category: Shuttlecraft
Class: LVA
Type: LVA-5
Model: VM-2/V
Naval Construction Contract: AS-M
Dimensions:

Overall Dimensions (Meters)

Length: 5.36m
Width: 4.0m
Height: 3.4m
Displacement (Metric Tons):
Light: 4.0mt
Standard: 5.25mt
Full Load: 7.03mt

Performance

Impulse Unit: Dual JPL 1025E18-UP
Impulse Engine Output: 6.5×10^8 W
Max Cruising:
Acceleration Rate:
 0.00-0.25 impulse: 0.35 sec
 0.25-0.50 impulse: 0.196 sec
 0.50-0.75 impulse: 0.25 sec
 0.75 Full Impulse: 0.3-4 sec
Warp Units: Harsh: 1m SW08/1-58X

Warp Engine Output: 2×10^8 W
Optimum Speed: Warp 2
Max Safe Cruising: Warp 3
Emergency Speed: Warp 4
Max Speed: Warp 4
Destructive Speed: Warp 4.5

Acceleration Power: 30

Acceleration Times

Warp 1: Warp 2: 7.218 sec
Warp 2: Warp 3: 1.96 sec
Warp 3: Warp 4: 1.4 sec
Warp 4: Warp 5: N/A
Warp 5: Warp 6: N/A
Warp 6: Warp 7: N/A
Warp 7: Warp 8: N/A
Warp 8: Warp 9: N/A
Warp 9: Warp 10: N/A
Warp 10: Warp 11: N/A
Warp 11: Warp 12: N/A

Duration (Years)

Standard: 100
Maximum: 1000

Std. Midge Complement

Crew:
Passengers: 6
Emergency condition: 14
Transporters Total:
 1 Person: 1
 2 Person: 1
 3 Person: 1
Small Cargo: 0
Medium Cargo: 0

Tractor Beams: 1

Tow Capacity: 4.00×10^8 kg
Max Range: 6.13x10¹⁰ km
Cargo Specification:
Standard Cargo Unit: N/A
Cargo Capacity: N/A
Multi-Level Specifications:
Docking Ports: 0
Cloaking Device: 0
Science Index Values:
Planetary Survey: 1.354
Stellar Survey: 0.642
Short Range: 0.6
Long Range: 100
Navigation: 0.975
Special: 45

Computers: 2

Type: Memory Magna 5.0
Type: Memory Magna 13.0
Shield Rating:

Shield Power: 4.58×10^8 W
Refract Rate: 1.38×10^8 W
Breakdown Rate: 35×10^8 W
Shield Dimensions (Meters):
Length: 8m
Width: 4.82m
Height: 3.46m

Weapons

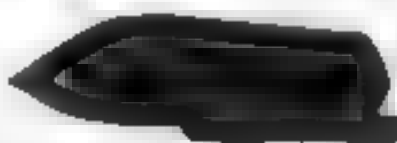
Weapon Placement:
Beam (Phasers) Total: 2 Minut
Output: 5.0×10^8 W 7.5×10^8 W
Range: 2.0x10¹⁰ km
Rate of Fire: 10 ppm Cont
Forward Banks:
 Rear Banks: 0
 Port Banks: 0
 Starboard Banks: 0
 Upper Banks: 0
 Lower Banks: 0
Beam (Heavy Phasers) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Forward/Rear Banks: 0
Port/Starboard Banks: 0
Upper/Lower Banks: 0
Missiles (Phasers) Total: 2 Tubes
Block: 30
Range: 2.0x10¹⁰ km
Output: 5.1 Megajoules
Rate of Fire: 0 ppm
Forward Bay: 2
Rear Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

Craft Silhouettes

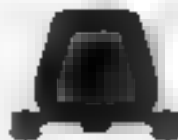
Total Target Area: 38.84 m²
Average Target Area: 12.78 m²



Top Silhouette
Area: 12.88 m²



Port Silhouette
Area: 12.48 m²



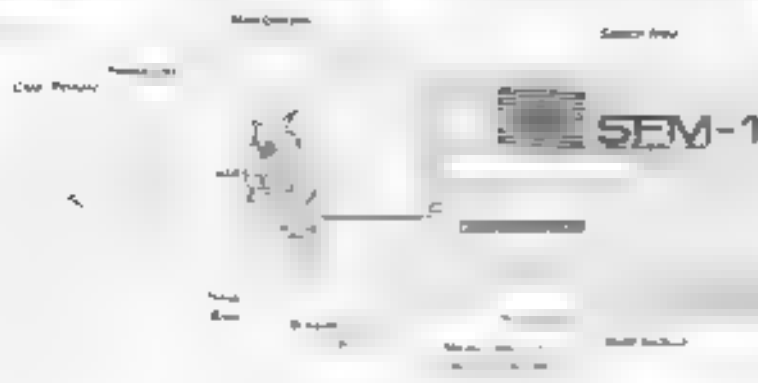
Front Silhouette
Area: 4.08 m²



LIGHT ASSAULT SHUTTLE

MOBILE CLASS

PORT PROFILE



TOP PROFILE



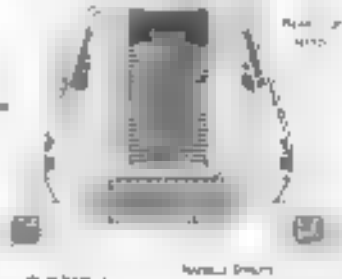
BOTTOM PROFILE



FRONT PROFILE



REAR PROFILE



FEDERATION CRAFT

LIGHT FIGHTER

General Information

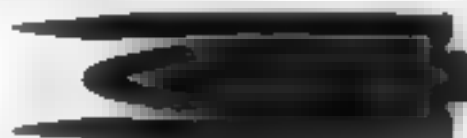
Specific Role: The Light Fighter is used for precision assault, some protection and in-fighting around capital ships. The fighter is designed to be crewed by a pilot and gunner/navigator but can operated by the pilot alone should the gunner/navigator become incapacitated or be unavailable at launch. For the purposes of starship engagement the fighter has been designed to operate at high warp speeds for short periods of time.

Physical Description: The fighter's hull is slender in ship shape. The crew seated in the cockpit is covered by a full canopy with a 2x0 degree field of view. A (SMDN/2/2-4) navigational sensor assembly is located under the front portion of the craft. The fighter is equipped with (1x 12.5k) phaser cannons and (1x/12.8k) photon missiles. Phasers are mounted on either side of the hull & below the canopy. Photon missile launchers are located in the top front of each cannon. A sublight propulsion is provided by the impulse drive installed in the rear section of the craft. Warp power is provided by 4W 2 2AP micro nacelles which are mounted on each side of the hull.

For additional detail refer to Datasheet MVT-1

Craft Silhouettes

Total Target Area 30.00 m²
Average Target Area 10.00 m²



Top Silhouette
Area 17.10 m²



Side Silhouette
Area 10.74 m²



Front Silhouette
Area 5.13 m²

Class Emblem



Light Fighter Wasp Class

Statistics

Classification: Light Fighter
Category: Fighter
Class: Wasp
Type: Juss
Model: MVT-1
Naval Construction Contract: 0000-3

Dimensions

Overall Dimensions (Meters)
Length: 8.75m
Width: 7.53m
Height: 2.0m
Displacement (Metric Tons)
Light: 3.5m
Standard: 9.7m
Full Load: 0.00m

Performance

Impulse Drive: Dual Pack OP182-4-4U
Impulse Engine Output: 7.8x10⁸ W
Max Cruising: C
Acceleration Rate:
0.00-0.22 Impulse 0.37 sec
0.25-0.50 Impulse 0.40 sec
0.50-0.75 Impulse 0.475 sec
0.75-1.00 Impulse 0.543 sec

Warp Drive: 2 Nacelle units SW120-2AP
Max Warp: 12.5x10¹⁰ W

Optimum Speed: Warp 6
Max Safe Cruising: Warp 7
Emergency Speed: Warp 8
Max Speed: Warp 8.7
Destructive Speed: Warp 9.6
Acceleration Power: 3.0

Acceleration Times:
Warp 1 Warp 2 0.37 sec
Warp 2 Warp 3 0.40 sec
Warp 3 Warp 4 0.47 sec
Warp 4 Warp 5 0.54 sec
Warp 5 Warp 6 0.71 sec
Warp 6 Warp 7 0.80 sec
Warp 7 Warp 8 0.91 sec
Warp 8 Warp 9 2.533 sec
Warp 9 Warp 10 3.629 sec
Warp 10 Warp 11 N/A
Warp 11 Warp 12 N/A

Duration (Years):
Standard: Years
Maximum: 4 Years
Mid Ship Complement: 2
Crew:
Passengers: 0
Emergency Condition: 0
Transporters Total: 0
1 Person 0
2 Person 0
3 Person 0
Small Cargo: 0
Medium Cargo: 0

Traitor Beams:

Tor Capacity: 2.1x10¹² m
Max Range: 3.0x10 km
Cargo Specification:
Standard Cargo Units: N/A
Cargo Capacity: N/A
Shuttlecraft Specifications:
Docking Ports: 0
Cloaking Devices: 0
Sensor Index Values:
Planetary Survey: 254
Stellar Survey: 0.442
Short Range: 1
Long Range: 0.25
Navigation: 0.087
Special: 0.54

Compass: 2
Type: Norway-Magne 20's
Type: Norway-Magne 1

Shield Rating:

Shield Power: 4.72x10⁸ W
Refresh Rate: 1.34x10⁸ W
Breakdown Rate: 1.6x10⁸ W
Shield Dimensions (Meters):
Length: 5m
Width: 3.04m
Height: 2.0m

Weapons

Weapon Placement:
Beam (Phasers) Total: 2 Mounts
Output: 6.0x10¹² W 2.6x10⁸ W
Range: 2.6x10¹⁰ km
Rate of Fire: 20 ppm Cont
Forward Banks: 2
Rear Banks: 0
Port Banks: 0
Starboard Banks: 0
Upper Banks: 0
Lower Banks: 0
Beam (Heavy Phasers) Total: 0
Output: N/A
Range: N/A
Rate: 20 ppm
Forward/Rear Banks: 0
Port/Starboard Banks: 0
Upper/Lower Banks: 0
Missiles (Photon) Total: 2 Tubes
Stock: 50
Range: 2.0x10⁸ km
Output: 1.0 Megatons
Rate of Fire: 1 ppm
Forward Bay: 2
Rear Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0



LIGHT FIGHTER

WASP CLASS

FEDERATION CRAFT

Warp Field Core Cockpit Primary Hull Drive Power METERS 0 0.5 1 1.5 2
SCALE 1:100

PORT PROFILE

Primary Shielding Field Sensor Array WARP FIELD Primary Hull Drive Power Fuel-Drive System WARP FIELD

TOP PROFILE

Primary Hull Sensor Array WARP FIELD Drive Power Fuel-Drive System WARP FIELD Sensor Array WARP FIELD Drive Power Fuel-Drive System WARP FIELD

BOTTOM PROFILE

Primary Hull Sensor Array WARP FIELD Drive Power Fuel-Drive System WARP FIELD Sensor Array WARP FIELD Drive Power Fuel-Drive System WARP FIELD

FRONT PROFILE

Field Length 22.98m
Field Width 11.73m
Field Height 2.48m

REAR PROFILE

Front Warp Field Profile
Cross Section Area 7.66 m²

Port Warp Field Profile
Cross Section Area 24.67 m²

Top Warp Field Profile
Cross Section Area 74.93 m²

STANDARD SHUTTLECRAFT



General Information

Specific Role: The Standard Shuttlecraft is the most common warp capable shuttle employed by the Federation. The Shuttle is useful for a large array of missions due to its versatility, speed, range and large interior space.

Physical Description: The hull is a long wedge shape and has with three doors for personnel and equipment. Two doors are located on either side and the third serves as a cargo hatch located at the rear. Positioned on either side of the shuttle are (SM) NA 3-4) navigational sensors and 14. The shuttle is equipped with a (BPL/5-10) phaser mounted in the top rowing. Sublight propulsion is provided by an impulse drive unit located on the lower rear section of the craft. Warp power is provided by 16 (SWB/1-4AG) micro-nacelles which are mounted on each side of the hull.

For additional detail refer to Datasheet MVT 1

Statistics

Classification: Standard Shuttlecraft
Agency: Federation
Class: A-10
Type: A-10
Model: A-10
Naval Construction Contract: 3400
Dimensions:
Overall Dimensions (Meters):
 Length 10.0
 Width 4.0
 Height 2.0
Displacement (Metric Tons):
 Light 1.0
 Standard 1.0
 Full Load 2.0
Performance:
Impulse Units: Dual UTM 1475.4 (PI)
Impulse Engine Output: 2x10⁶ W
Max 1 rotating:
Acceleration Rate:
 0.00 0.15 impulse 0.37 sec
 0.25 0.50 impulse 1.0 sec
 0.50 0.75 impulse 2.0 sec
 0.75 Full impulse 3.0 sec
Warp Units: 16.000 units (SWB/1-4AG)
Warp Engine Output: 2x10⁶ W
Optimum Speed: Warp 3
Max Rate (rotating): Warp 3
Emergency Speed: Warp 4
Max Speed: Warp 4
Destructive Speed: Warp 4.5
Acceleration Power: 3
Acceleration Times:
 Warp 1 Warp 2 4.0 sec
 Warp 2 Warp 3 1.0 sec
 Warp 3 Warp 4 1.0 sec
 Warp 4 Warp 5 1.0 sec
 Warp 5 Warp 6 1.0 sec
 Warp 6 Warp 7 1.0 sec
 Warp 7 Warp 8 1.0 sec
 Warp 8 Warp 9 1.0 sec
 Warp 9 Warp 10 1.0 sec
 Warp 10 Warp 11 1.0 sec
 Warp 11 Warp 12 1.0 sec
Disposition (Tons):
 Standard 1.0
 Maximum 2.0
End Range Completion:
 Crew
 Passengers 1
 Emergency equipment: 10
Transporters Total:
 1 Person
 2 Person
 3 Person
 4 Person
 5 Person
 6 Person
 7 Person
 8 Person
 9 Person
 10 Person
 11 Person
 12 Person
 13 Person
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 98 Person
 99 Person
 100 Person

Trajectory Beam: 1
Tow Capacity: 5.10x10⁶ W
Max Range: 7.0x10⁶ W
Cargo Specifications:
 Standard Cargo Units: NA
 Cargo Capacity: NA
Shuttlecraft Specifications:
Docking Ports:
 Docking Devices: 0
Sensor Index Values:
 Planetary Survey: 254
 Stellar Survey: 0.042
 Short Range: 0.25
 Long Range: 0.25
 Navigation: 0.997
Special: 23
Computers: 1
 Type: Nixie-Magne 1.1
 Type: Nixie-Magne 3.1
Shield Rating:
 Shield Power: 4.75x10⁶ W
 Shield Rate: 1.0x10⁶ W
 Breakdown Rate: 6.1x10⁶ W
Shield Dimensions (Meters):
 Length: 10.0
 Width: 4.0
 Height: 2.0
Weapons:
Weapon Placement:
 Beam (Phasers) Total: Mount
Output: 5.10x10⁶ W
Range: 1.0x10⁶ W
Rate of Fire: 1.0 ppm Cont
Forward Banks: 0
Rear Banks: 0
Port Banks: 0
Starboard Banks: 0
Upper Banks: 0
Lower Banks: 0
Beam (Heavy Phasers) Total: 0
Output: NA
Range: NA
Rate of Fire: NA
Forward/Rear Banks: 0
Port/Starboard Banks: 0
Upper/Lower Banks: 0
Missiles (Phasers) Total: NA
Block: NA
Range: NA
Output: NA
Rate of Fire: NA
Forward Bay: 0
Rear Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

Craft Silhouettes

Total Target Area 81.12 m²
 Average Target Area 10.14 m²



Top Silhouette
 Area 33.88 m²



Port Silhouette
 Area 18.38 m²



Front Silhouette
 Area 7.83 m²

Class Emblem



Galileo Class • Shuttlecraft



STANDARD SHUTTLECRAFT

RAILED CLASS

FEDERAL ON CRAFT

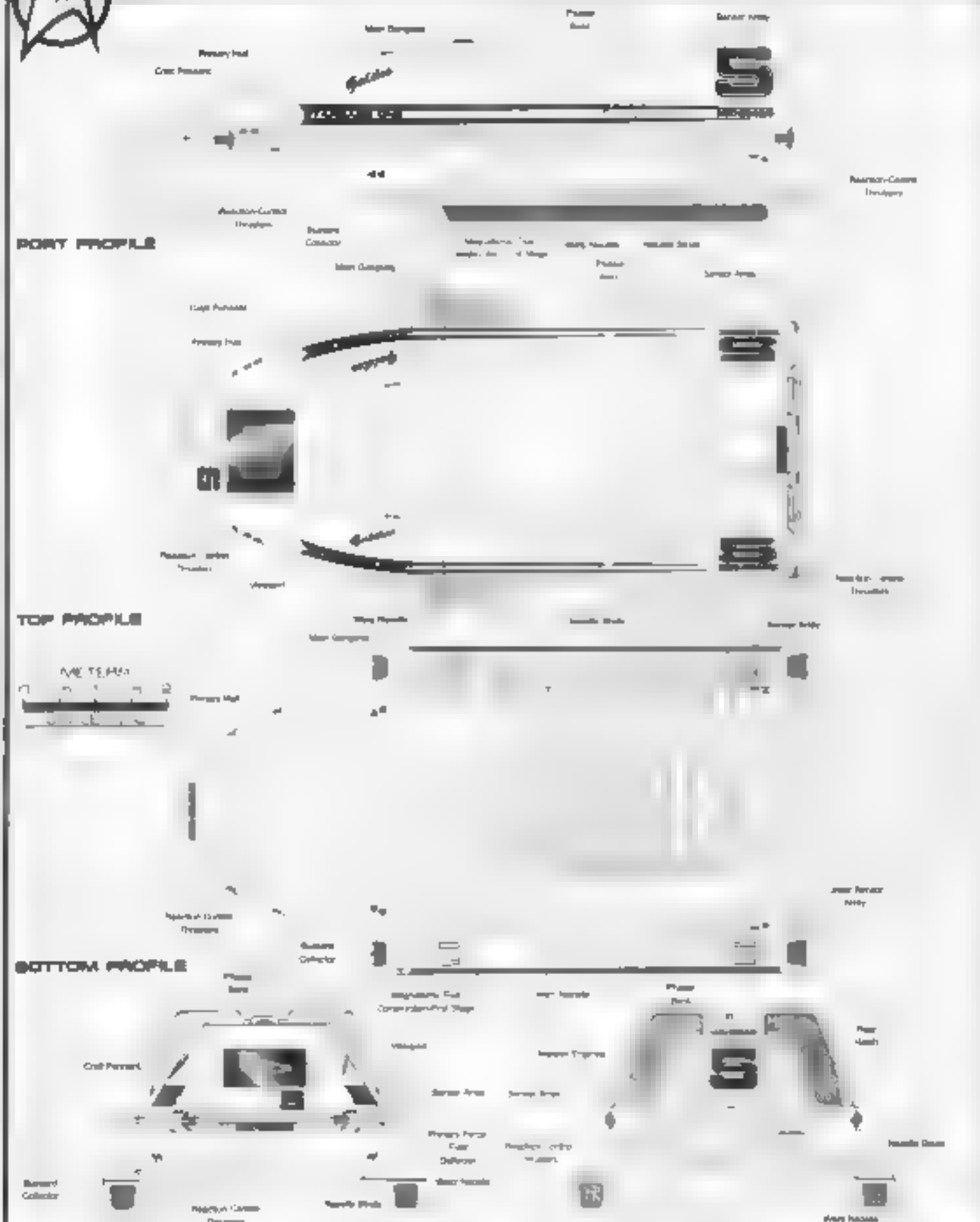
PORT PROFILE

TOP PROFILE

BOTTOM PROFILE

FRONT PROFILE

REAR PROFILE



TRAVEL POD



General Information

Specific Role: The main purpose of the Travel Pod is for short range observation missions, and is generally used around construction sites for observation and transportation of work crews to their assignments. The Travel Pod is strictly a zeroing operational vehicle.

Physical Description: Located along the front of the pod is a large viewing canopy. Mounted on the rear of the pod are 32 raised SMD's and 2 sensor pads. A REM-2A docking ring provides access through the rear when attached to an airlock. Fine maneuvering is provided by reaction control bursts of the rear of the pod. The Travel Pod is equipped with a M4-5-2-3A reactionless gravitic drive system for primary propulsion.

For additional details refer to Datasheet MVD-1

Class Emblem



Statistics

Classification: Juv Pod	Traitor Beams: N/A
Category: Phased Array	Tow Capacity: N/A
Class: Juv	Max Range: N/A
Type: Juv 5	Cargo Specification:
Model: Juv 5C	Standard Cargo Units: N/A
Naval Construction Contract: TP-5	Cargo Capacity: N/A
Disasters:	Shuttlecraft Specifications:
Overall Dimensions (Meters):	Docking Ports:
Length: 4.4	Cloaking Devices: 0
Width: 1	Sensor Index Values:
Height: 6	Planetary Survey: 0.45
Displacement (Metric Tons):	Galaxy Survey: 0.215
Light: 1000	Short Range: 0.58
Standard: 1.000	Long Range: 0.5
Full Load: 1.000	Navigation: 0.02
Performance:	Special: 0.2
Impulse Output: Thrusters	Computers:
Impulse Engine Output: 7.5 x 10 ⁵ W	Type: Morley-Wayne 5.0
Max Cruising:	Type: N/A
Acceleration Rate:	Shield Rating:
0.00-0.25 Impulse 4.0 x 10 ⁵ W	Heldoff Power: 4.72 x 10 ⁴ W
0.25-0.50 Impulse 4.0	Refresh Rate: 34 x 10 ⁴ W
0.50-0.75 Impulse 4.0	Breakdown Rate: 1.6 x 10 ¹⁴ W
0.75 Full Impulse 4.0	Shield Dimensions (Meters):
Warp Core: N/A	Length: 10
Warp Engine Output: 100	Width: 100
Optimum Speed: 4.0	Height: 3.0
Max Safe Cruising: N/A	Weapons:
Emergency Speed: 100	Weapon Placement:
Max Speed: 1	Beam (Phaser) Total: N/A
Destructive Speed: 100	Output: N/A
Acceleration Power: 0	Range: N/A
Acceleration Times:	Rate of Fire: N/A
Warp 1 Warp 2 N/A	Forward Banks: 0
Warp 2 Warp 3 4.0	Rear Banks: 0
Warp 3 Warp 4 N/A	Port Banks: 0
Warp 4 Warp 5 4.0	Starboard Banks: 0
Warp 5 Warp 6 N/A	Upper Banks: 0
Warp 6 Warp 7 N/A	Lower Banks: 0
Warp 7 Warp 8 N/A	Beam (Heavy Phaser) Total: N/A
Warp 8 Warp 9 N/A	Output: N/A
Warp 9 Warp 9.5 N/A	Range: N/A
Warp 9.5 Warp 9.75 N/A	Rate of Fire: N/A
Warp 9.75 Warp 9.9 N/A	Forward Rear Banks: 0
Durations (Years):	Port Starboard Banks: 0
Standard: 1000	Upper/Lower Banks: 0
Max Speed: 1000	Missiles (Photon): Total: N/A
Std Ship Complement:	Short: N/A
Crew:	Range: N/A
Passengers: 1	Output: N/A
Emergency condition: 10	Rate of Fire: 0
Transporters: Total: 0	Forward Bay: 0
Person:	Rear Bay: 0
2 Person: 1	Port Bay: 0
3 Person: 1	Starboard Bay: 0
Small Cargo: 0	Upper Bay: 0
Medium Cargo: 0	Lower Bay: 0

Craft Silhouettes

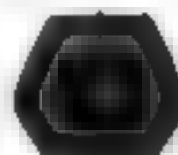
Total Target Area 30.74 m²
Average Target Area 10.25 m²



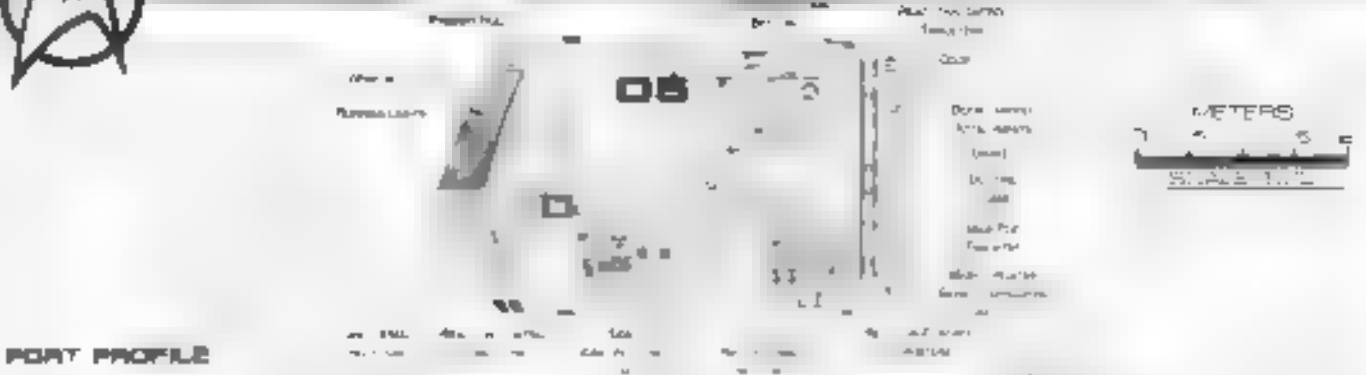
Top Silhouette
Area 12.40 m²



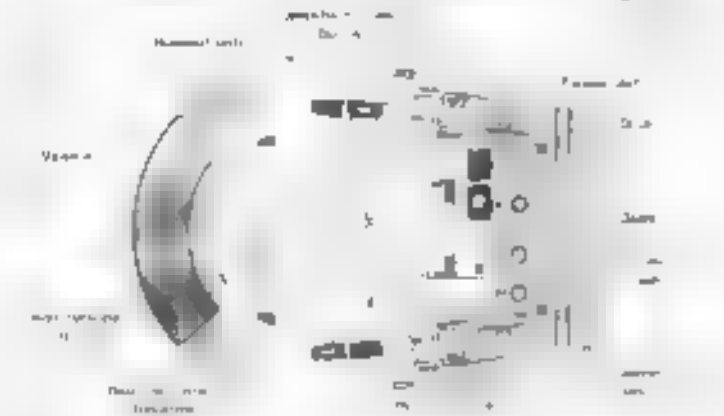
Port Silhouette
Area 1.00 m²



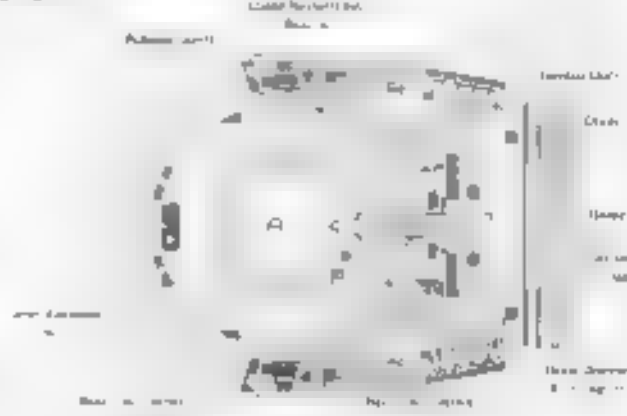
Front Silhouette
Area 7.34 m²



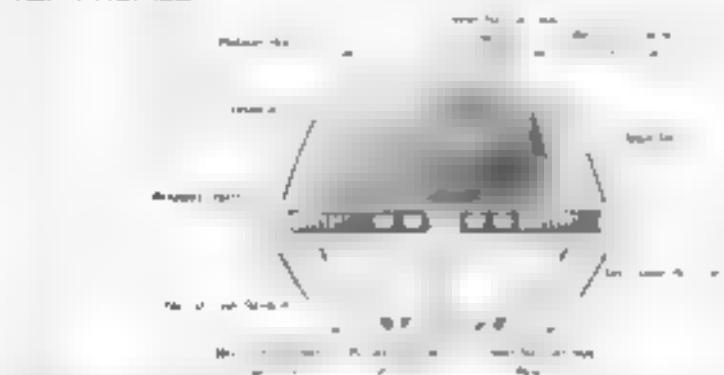
PORT PROFILE



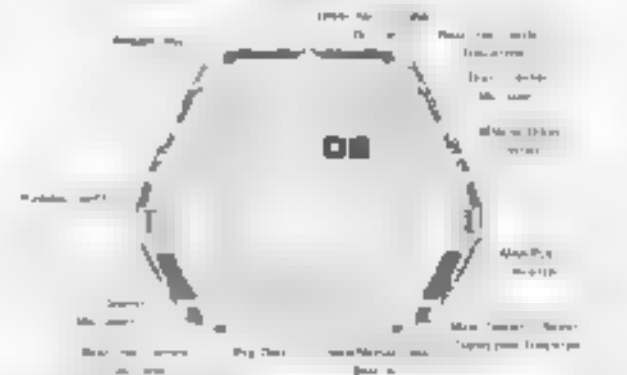
TOP PROFILE



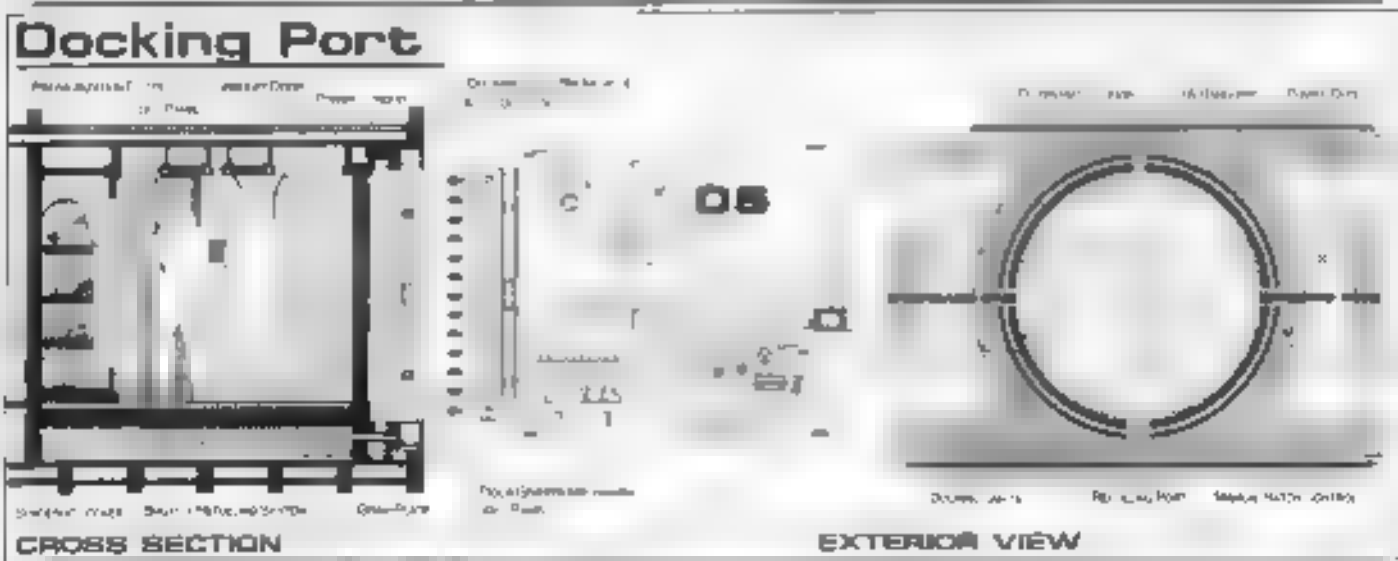
BOTTOM PROFILE



FRONT PROFILE



REAR PROFILE



CROSS SECTION

EXTERIOR VIEW

TURBOLIFT (LIFEBOAT)



General Information

Specific Role: Turbolifts are used for the transportation of personnel and supplies inside starships and starbases; however, during emergencies the turbolift cars can be used as lifeboats. During normal use, turbolift cars are positioned at each turbolift station, allowing personnel to reach the lifeboats from almost any location. During an evacuation, as soon as a lifeboat is full, it proceeds to an outside exit for jettisoning. The lifeline once ejected extends to one and a half its length, decreasing the internal volume from 2.67m to 2.49m, and can support up to eight people for four weeks. The turbolift cars move through the airlocks by acceleration rings located in the tube system.

Physical Description: The turbolift car is cylindrical with a large door located on the side. Located in the bottom is the emergency propulsion system and lifeboat sensors/equipment. On the top is the emergency beacon sensors and landing parachute. The interior is equipped with food rations and other standard survival equipment.

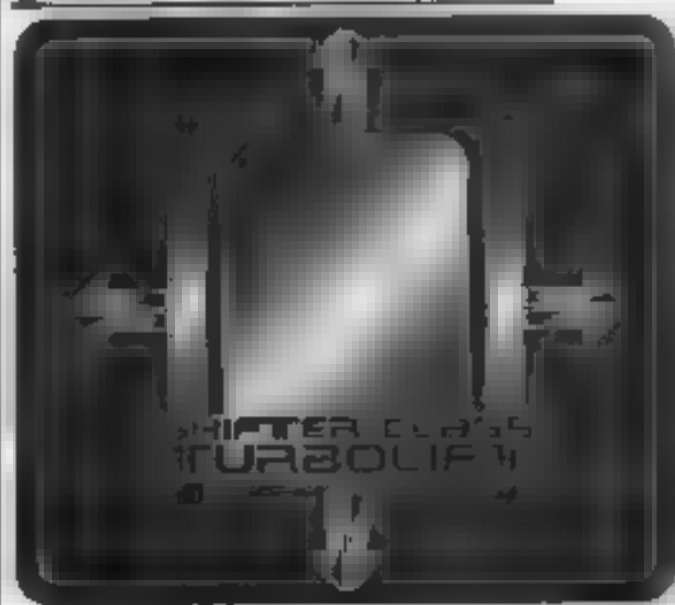
For additional detail refer to Datasheet MVU-1

Statistics

Classification: *unclassified*
Category: *unclassified*
Class: *unclassified*
Type: *unclassified*
Model: *unclassified*
Revel Construction Contract: T1-34
Dimensions:
Overall Dimensions (Meters):
 Length: 2.7m
 Width: 1.5m
 Height: 66.537m
Displacement (Metric Tons):
 Light: 5.58mt
 Standard: 6.38mt
 Full Load: 12mt
Performance:
Impulse Drive: Single (IP18E4 TL)
Impulse Engine Output: 4x10⁵ W
Max Cruising:
Acceleration Rate:
 0.00-0.25 Impulse: 0.137 sec
 0.25-0.50 Impulse: N/A
 0.50-0.75 Impulse: N/A
 0.75 Full Impulse: N/A
Warp Core: N/A
Warp Engine Output: N/A
Optimum Speed: N/A
Max Safe Cruising: N/A
Emergency Speed: N/A
Max Speed: N/A
Constructive Speed: N/A
Acceleration Power: N/A
Acceleration Time:
 Warp 1: Warp 2: N/A
 Warp 3: Warp 4: N/A
 Warp 5: Warp 6: N/A
 Warp 7: Warp 8: N/A
 Warp 9: Warp 10: N/A
 Warp 11: Warp 12: N/A
 Warp 13: Warp 14: N/A
 Warp 15: Warp 16: N/A
 Warp 17: Warp 18: N/A
 Warp 19: Warp 20: N/A
Duration (T447):
 Standard: 100%
 Maximum: 200%
W4 Ship Complement: 0
Crew:
 Passenger: 0
 Emergency condition: +2
Transporters Total: 0
 1 Person: 0
 2 Person: 0
 3 Person: 0
 4 Person: 0
 Small Cargo: 0
 Medium Cargo: 0

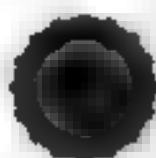
Traitor Beams: 0
Tor Capacity: N/A
Max Range: N/A
Cargo Specification:
Standard Cargo Units: N/A
Cargo Capacity: N/A
Obstruction Specifications:
Docking Ports: 0
Coasting Devices: 0
Sensor Index Values:
 Planetary Survey: 0.823
 Stellar Survey: 0.225
 Short Range: 1.011
 Long Range: 0.350
 Navigation: 0.125
 Special: 0.112
Computers:
Type: Noray-Magne S's
Type: N/A
Shield Rating:
Shield Power: 4.72x10⁴ W
Refresh Rate: 1.34x10⁴ W
Breakdown Rate: 61x10⁴ W
Shield Dimensions (Meters):
 Length: 1.4m
 Width: 3.2m
 Height: 4.82m
Weapons:
Weapon Placement:
Beam (Photon) Total: N/A
Output: N/A
Range: N/A
Rate of Fire: N/A
Forward Banks: 0
Rear Banks: 0
Port Banks: 0
Starboard Banks: 0
Upper Banks: 0
Lower Banks: 0
Beam (HeavyPhoton) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Forward/Rear Banks: 0
Port/Starboard Banks: 0
Upper/Lower Banks: 0
Missiles (Photon) Total: N/A
Stock: N/A
Range: N/A
Output: N/A
Rate of Fire: N/A
Forward Bay: 0
Rear Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

Class Emblem



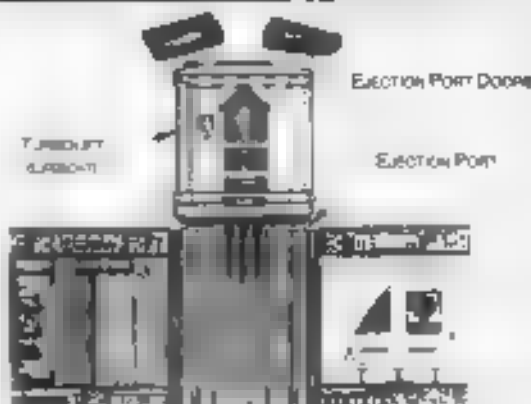
Craft Silhouettes

Total Target Area 81.10, 31.22 m²
 Average Target Area 7.03, 10.63 m²



Top Silhouette: Area 0.68, 0.81 m²
Front Silhouette: Area 7.70, 18.78 m²
Port Silhouette: Area 7.71, 18.80 m²

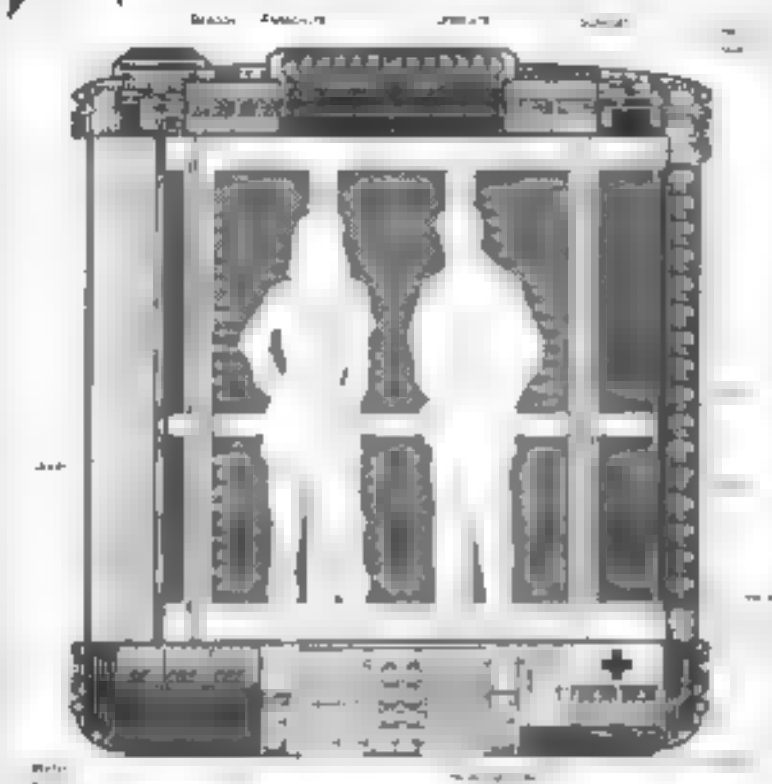
Turbolift Ejection



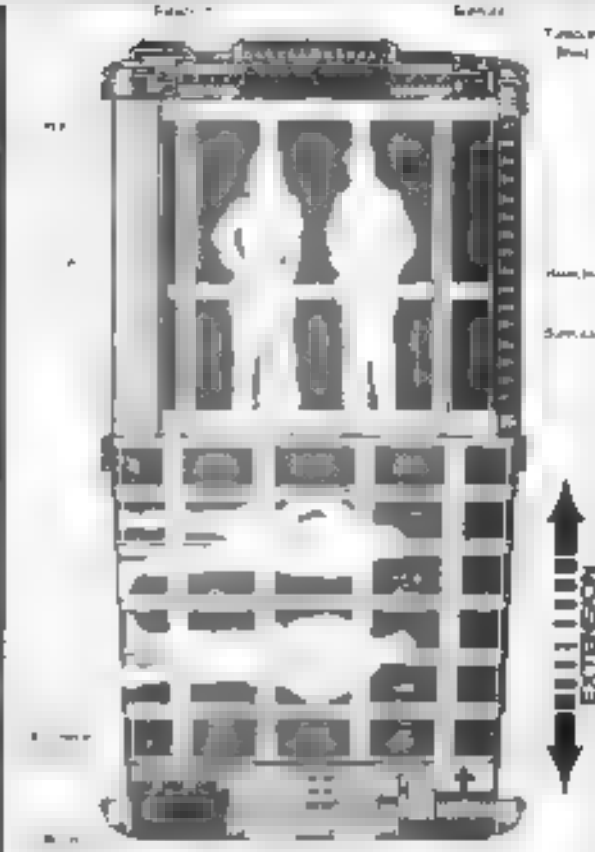


TURBOLIFT (LIFEBOAT)

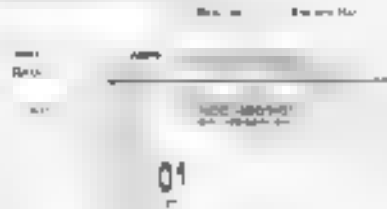
SHIFTER CLASS



CROSS SECTION
Enlarged for Clarity



CROSS SECTION
Extended (Lifeboat)



PORT PROFILE



REAR PROFILE



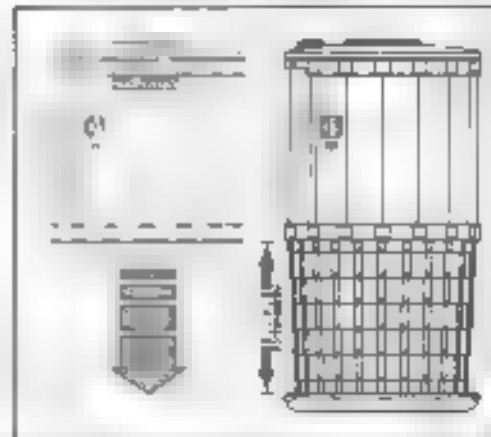
FRONT PROFILE



TOP PROFILE



BOTTOM PROFILE
Brakes Extended



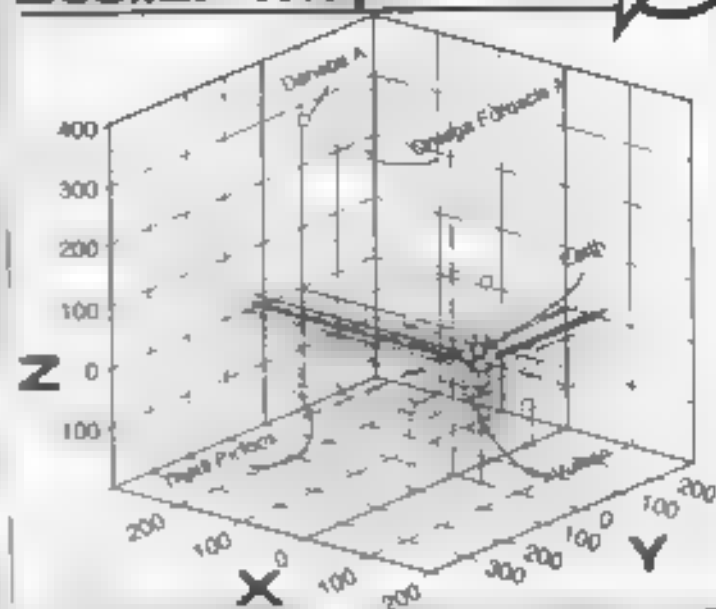
FEDERATION CRAFT

DRYDOCKS

General Information

The Dry Dock facilities are designed for the construction and repair of starships. Drydocks are equipped with ultra-accurate sensors to provide the construction facility with a reference grid for precision positioning of components. Large work lights provide ample illumination throughout the work area. Some facilities are equipped with offices, living space, shops and hangars. Other facilities are flexible and can be expanded to accommodate a wide variety of repair and construction jobs. Most facilities must be towed to their destination or work area, while others are designed to propel themselves to wherever their services are required.

Stellar Map



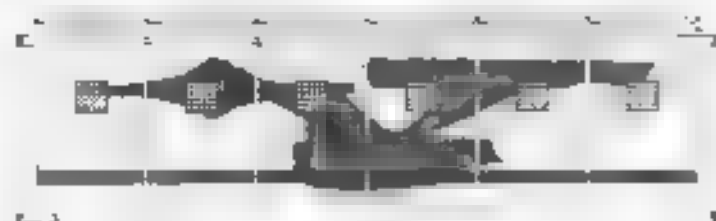
Major Dry Docks**

Yard Name		Planet	System	Beamer Coordinates	Dry Dock Type	Production	Construction	Notes
						Initial	Midway	Final
Antares Ship Yards	Antares III	Antares	4	0 3 0 0	3	51%	41%	38%
Big shipyard installation	Sauna	Jl 1 2	43 3 6	1 1 0 0	3	24%	78%	22%
Birkhead Military Installation	Uru	Eggshead Boney	4 4 6	3 4 5 1	13	2%	88%	70%
Boeing Materials	Zeta Tucanae III	Zeta Tucanae	4 4 8 7 5	2 1 0 0	3	70%	30%	34%
Bombardier Construction Complex	Earth	Sil	4 6 8 1	5 2 1 0	0	40%	80%	80%
Bombardier Naval Center	Demet 4	Demet 4	4 4 4 382 51	3 2 5 0	0	21%	79%	6%
Boothroyd Industries	Alpha Centauri VI	Alpha Centauri	4 4 5 0	1 5 2 3	7	15%	85%	35%
Boothroyd Shipyards	Argesius II	Argesius B	4 4 5 2 21	0 1 0 4	5	00%	0%	34%
Bombardier & Industries	Luna	Sil	4 4 6	3 0 2 0	5	61%	38%	74%
Boothroyd Space Facilities	Arctus	Xi Hercules	4 4 5 63 3)	0 2 0 3	3	54%	48%	79%
Bombardier Installation	Eta Serpentis	Serpentis	4 4 6 2	2 2 0 0	4	44%	88%	33%
Bombardier Assembly Area	Miculus	Xi Cygnus	4 4 4 31	0 3 1 0	4	90%	10%	35%
Boothroyd Ship Works	Crater III	Crater	4 4 6 29 9)	2 3 0 0	3	100%	0%	38%
Boothroyd Outworks	Crater	Theta Pictoris	4 4 7 10	0 2 0 0	3	45%	55%	78%
Bombardier Space Facility	Janus VI	Janus	4 4 3 5 8)	2 2 0 3	4	21%	79%	45%
Boothroyd Assembly Dock	Kaleia	Tai 48	4 4 5	3 1 0 0	4	21%	79%	74%
Boothroyd Halls	Anchor	Epsilon III	4 4 4 8	2 2 1 0	6	85%	36%	34%
Boothroyd Ship Works	Rigel IV	Rigel	4 4 36 1)	4 0 7 3	4	2%	75%	22%
Boothroyd Specialty	Bombardier	Gamma Xerxes	4 4 4 84 4	4 3 1 2	10	88%	12%	82%
Boothroyd Naval Yards	Earth	Sil	4 4 5 1	4 1 0 1	6	90%	40%	40%
New Aberdeen Yards	Akterban III	Alpha Tau	4 4 5 1	2 2 0 1	5	30%	70%	20%
Crystal Assembly Station	Starbase 18	Messier 2	4 4 2 6	3 1 2 7	7	54%	48%	11%
Paulson Assembly Station	Delta	Delta Tucanae	4 4 6 3	0 3 0 0	3	85%	95%	10%
Paulson Assembly Yards	Argo	Upsilon 35:6	4 4 4 9	4 0 0 0	4	54%	48%	34%
Paulson Assembly Yards	Can	Sigma	4 4 4 6	0 2 3 6	6	8%	82%	40%
Rowlingford Yards	Makus III	Makus	4 4 4 5	2 2 0 5	5	80%	20%	40%
San Francisco Yards	Earth	Sil	4 4 5 8	1 3 5 18	3	78%	22%	35%
Shane Yards	Actar	Cygnus D	4 4 35 51	2 0 0 3	3	78%	22%	87%
Starbase 2	Gamma 400 III	Gamma 400	4 4 46 5 1)	1 2 1 0	4	56%	44%	30%
Starfleet Division	Demet 4	Demet 4	4 4 4 382 51	2 4 3 10	10	21%	79%	73%
Station Rotterdam	Bombardier	Bombardier	4 4 4 2 6	0 0 3 0	3	54%	48%	34%
Thurston Construction Yards	Thurston	Omega Fornax A	4 4 3 20 4 235 4)	0 2 0 3	3	68%	32%	88%
Trident Star vessels	Vulcan	Xi Fornax	4 4 6 60 18 7)	4 1 2 0	7	78%	22%	15%
Urbanis Construction Site	Darwin 4	Darwin	4 4 4 2 18 7)	3 1 0 0	4	80%	0%	44%
Utopia Planitia Starfleet Yards	Mars	Sil	4 4 6 8 1)	1 2 5 5	15	2%	98%	98%
Vanus Spacedock	Belazed	Beta Veldorina	4 4 3 90 4 48 1	2 2 0 5	5	57%	3%	48%
Vega Shipyards	Vega	Alpha 48	4 4 5 6 3	2 5 0 0	7	45%	55%	26%
Vikaris Space Facilities, Inc.	Vulcan	Xi Fornax	4 4 6 60 18 7)	5 5 2 3	15	90%	10%	70%
Waters Installation	Beta 47	Beta	4 4 106 3 74 2)	1 5 0 3	3	65%	35%	12%
Xerxes Works	Tellur	6 Cygnus	4 4 6 4 6	1 2 0 0	3	27%	73%	40%

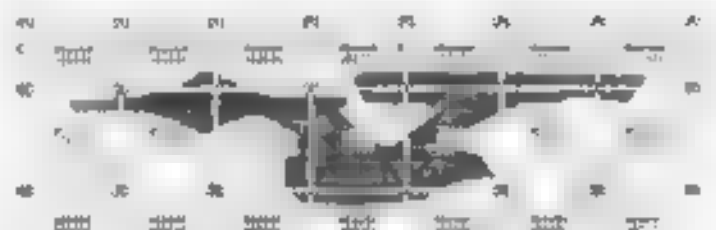
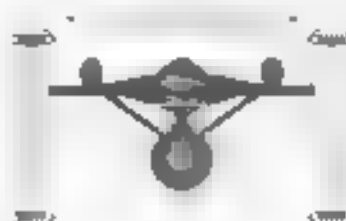
Dry Dock Type: Lists the number and types of drydocks at each yard.
 Production: Lists the percent of military and civilian craft that are produced at each yard.
 Construction: Lists the percent of ship construction level equal at each yard.
 Losses: Describes the construction level of the dry dock. The best facilities are the Class A which are normally used for the construction of Class I Steamships.
 Type: Dry Docks are normally located at these categories either not needed to construct.
 Additional construction companies: Class E and Class dry docks from the facilities listed here.



Size Comparison



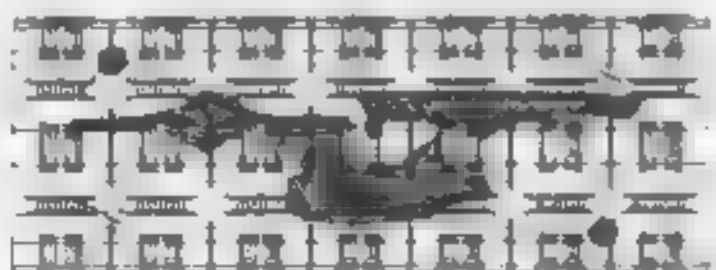
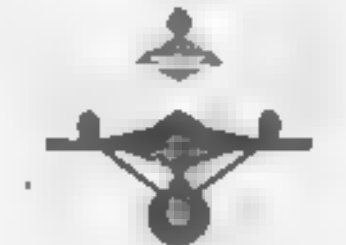
Type I
Dry Dock



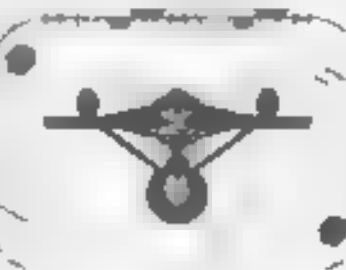
Type II
Dry Dock



Type III
Dry Dock



Type IV
Dry Dock



METERS
0 20 40 60 80 100

DRY DOCK TYPE I



General Information

Specific Role: Although old, these facilities are still used at many construction yards. For larger vessels, the facility may have additional sections added to accommodate the additional length. This facility is generally used in the production and repair of civilian and research vessels.

Physical Description: The facility is made up of six 20 x 60 x 100 tubular sections. The work area is equipped with 24 10 x 20 ft high power light banks, twelve located in the top and six on each side. These light banks are supported by duralloy support cables. At each corner of the drydock is a 200-450W hangar deck. Along the inner sides of the frame are 360 10 x 40 ft inertial dampeners to help control the movement of the ship and parts within the dock. Located along the spine are 48 50 x 250 ft positioning sensors for determining the exact location and positioning of the parts in the construction area.

For additional detail refer to Datasheet MVDD-1.

Class Emblem

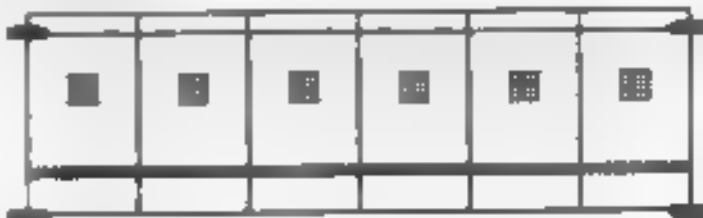


Facility Silhouettes

Total Target Area 180789.67 m²
Average Target Area 30098.28 m²



Top Silhouette
Area 108008.70 m²



Port Silhouette
Area 71488.46 m²

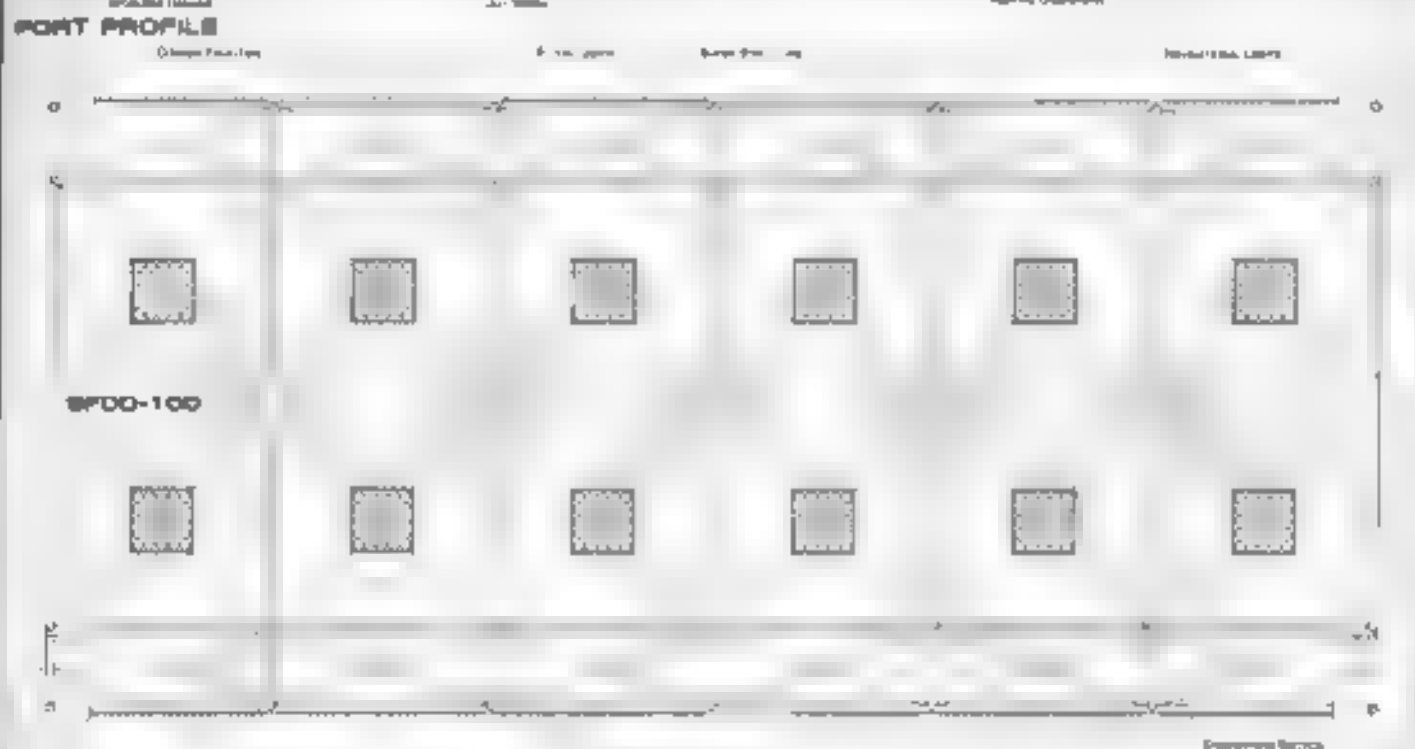
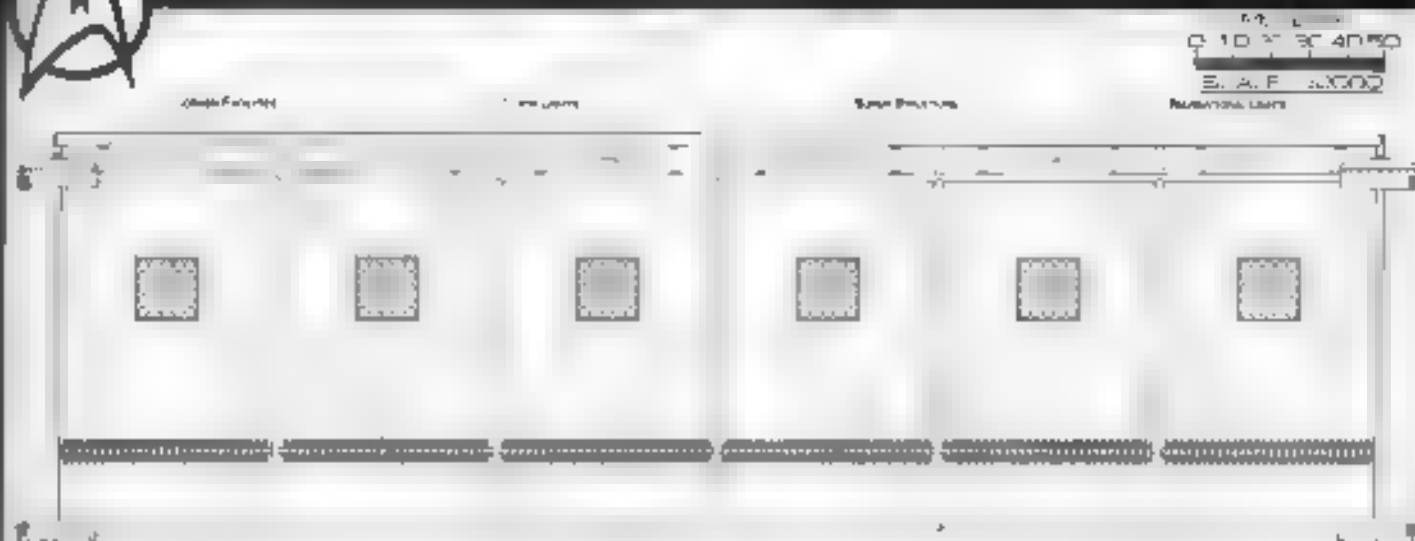


Front Silhouette
Area 13882.51 m²



DRY DOCK TYPE II

ROMAN CLASS



TOP PROFILE

Statistics

Classification: Dry Dock
Category: Type
Class: Roman
Type: Joss 4
Model: Type
Naval Construction Contract: 100
Number Proposed: 100
Number Constructed: 100
Number In Service: 85
Number Lost: 5
Manufacturer:
Overall Dimensions (Meters):
 Length: 370.50m
 Width: 160.87m
 Height: 87.4m
Displacement (Metric Tons):
 Light: 10,250mt
 Standard: 10,600mt
 Full Load: 11,200mt

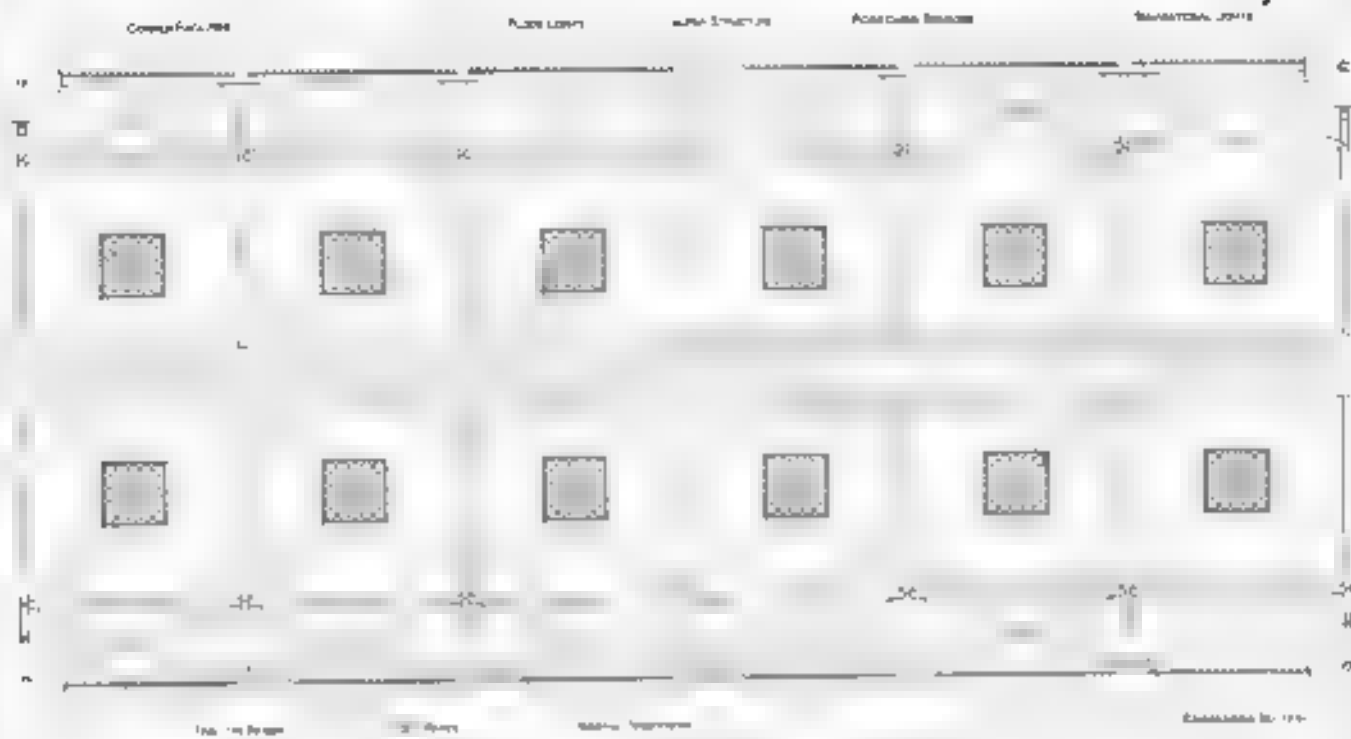
Duration (Years):
 Standard: 30 years
 Maximum: 60 years
Std. Facility Complement: +50
 Officers: 20
 Crew (Excluding Officer): 130
 Emergency condition: +200
Medical Facilities:
 Doctors: 1
 Medical Staff: 10
 Operating Rooms: 5
 Beds: 5
Transportation Total: 10
 1 Person: 0
 2 Person: 0
 4 Person: 4
 12 Person: 0
 22 Person: 0
 Small Cargo: 2

Medium Cargo: 2
Large Cargo: 2
Super Cargo: 0
Replicators: 4
Major Tractor Beams: 1
 Tow Capacity: 3.4e6 Dmt
 Max Range: 9.0m Dmt
Minor Tractor Beams:
 Tow Capacity: 3.4e6 Dmt
 Max Range: 4.0m Dmt
Cargo Specifications:
 Standard Cargo Deck: 100
 Cargo Capacity: 4,000mt
Shuttlecraft Specifications:
 Shuttlecraft Bays Total: 5
 Small Bay: 8
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0

Shuttlecraft Standard: 83
 Work Room: 20
 Tow Shuttle: 5
 Work Shuttle: 15
 Travel Pods: 5
 Light Shuttle:
 Standard Shuttle: 3
 Heavy Shuttle: 1
 Cargo Shuttle: 0
 Lifeboats: 10
 Turbolift (8 person): 4
 Lifeboat (10 person): 0
 Lifeboat (20 person): 0
 Lifeboat (30 person): 0
Sensor Index Values:
 Alignment Sensor: 1101
Computers: 2
 Type: Teutonic Duplicator II
 Type: Teutonic Duplicator II

OPERATION FACILITIES

DRY DOCK TYPE I



BOTTOM PROFILE



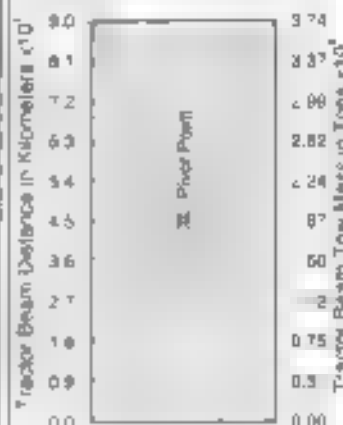
REAR PROFILE



Facility Names

Tractor Beam Specifications

Example 7: Single Bath Load Calculator

[illegible]

CLARK, RICH, LOST IN THE LINE OF DUTY. THUNDERBOLT



SIDE PROFILE
WITH HEAVY DRUMMING



Max. Width = 48.01 m
 Max. Height = 1.325 m
 Top Area = 15880.44 m²
 Down Area = 41842.1 m²
 Volume = 5480332.08 m³

TOP PROFILE



FRONT PROFILE
WITH HEAVY COLUMN



DRY DOCK PROFILES WITH HEAVY CRUISER

DRY DOCK AREA USAGE

SRMA-1 04:02:01:04

STARFLEET REFERENCE MANUAL

FROM A CLASS

FEDERATION FACILITY

DRY DOCK TYPE II



General Information

Specific Role: This versatile drydock is designed to adjust its shape to closely match the configuration of the subject vessel. Additional sections may be added so that the frame can surround larger vessels. The extreme flexibility of the structure causes it to have less integral strength than some facilities which makes it unsuitable for more hazardous locations.

Physical Description: The facility is made up of eight (DD F7 2A) rigid sections. These sections are connected to each other with flexible couplings. The work area is equipped with 42 (LF/S-B) high power light banks which are supported by durable cables throughout the structure. Attached to each light bank is an (SP/230 Z) positioning sensor for determining the exact location and positioning of the components for construction. Located at each joint is an (DI/200-TS) inertia dampener to help control the movement of the ship and components in the construction area.

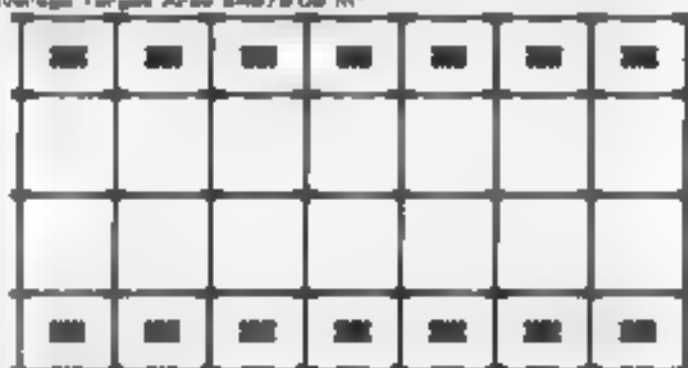
For additional detail refer to Datasheet MVDD-2

Class Emblem

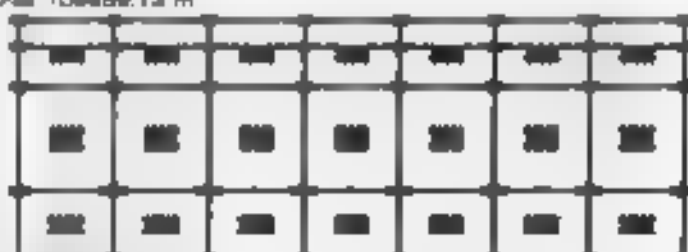


Facility Silhouettes

Total Target Area 15468.88 m²
Average Target Area 5489.63 m²



Top Silhouette
Area 10666.12 m²



Front Silhouette
Area 54815.48 m²



Front Silhouette
Area 1341.88 m²



PHARMACOH CLASS

HEAT MAPS

TOP PEOPLE

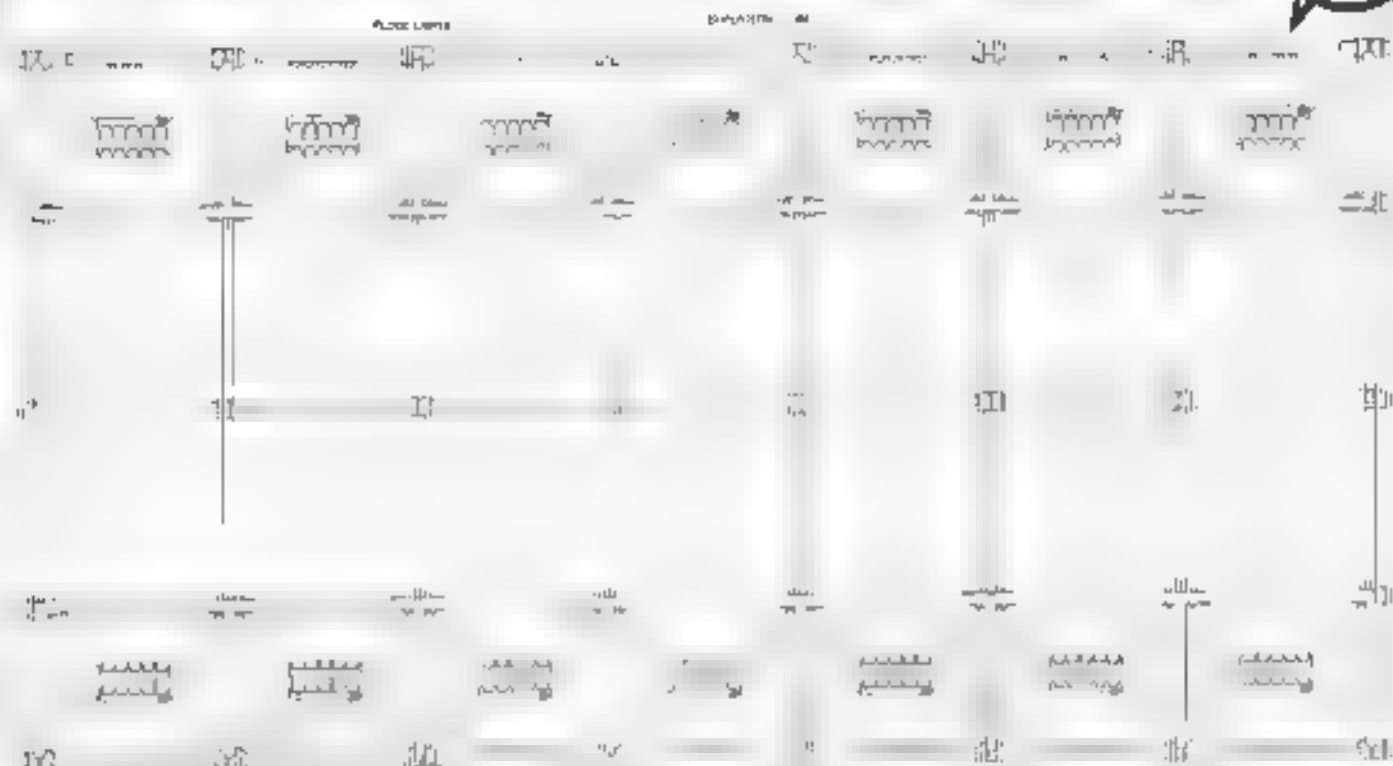
Statistics

```
Shuttlescan Standard 0
  Work Pans: 0
  Tag Shuttle: 0
  Work Shuttle: 0
  Travel Pods: 0
  Light Shuttle: 0
  Standard Shuttle 0
  Heavy Shuttle 0
  Cargo Shuttle: 0
Lifeboats: 0
  Turbo lift (8 person): 0
  Lifeboat 10 person: 0
  Lifeboat 20 person: 0
  Lifeboat 30 person: 0
Sensor Index Values
Alignment Sensor 0
Computers: 0
Type: N/A
```

DRY DOCK TYPE II



CHARACTER CLASS



BOTTOM PROFILE





DRY DOCK TYPE II

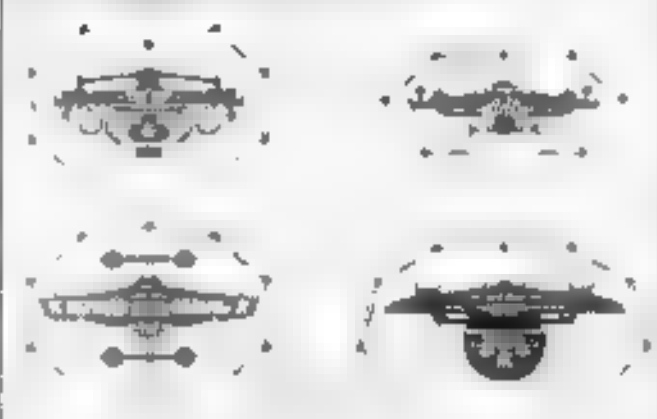
Facility Names

THE FOLLOWING SHIPS OF THE TYPE II CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2269.4

PHARACH 1 SFD 200	PHARACH 25 SFD 225	PHARACH 50 SFD 250	PHARACH 75 SFD 275
PHARACH 2 SFD 201	PHARACH 26 SFD 226	PHARACH 51 SFD 251	PHARACH 76 SFD 276
PHARACH 3 SFD 202	PHARACH 27 SFD 227	PHARACH 52 SFD 252	PHARACH 77 SFD 277
PHARACH 4 SFD 203	PHARACH 28 SFD 228	PHARACH 53 SFD 253	PHARACH 78 SFD 278
PHARACH 5 SFD 204	PHARACH 29 SFD 229	PHARACH 54 SFD 254	PHARACH 79 SFD 279
PHARACH 6 SFD 205	PHARACH 30 SFD 230	PHARACH 55 SFD 255	PHARACH 80 SFD 280
PHARACH 7 SFD 206	PHARACH 31 SFD 231	PHARACH 56 SFD 256	PHARACH 81 SFD 281
PHARACH 8 SFD 207	PHARACH 32 SFD 232	PHARACH 57 SFD 257	PHARACH 82 SFD 282
PHARACH 9 SFD 208	PHARACH 33 SFD 233	PHARACH 58 SFD 258	PHARACH 83 SFD 283
PHARACH 10 SFD 209	PHARACH 34 SFD 234	PHARACH 59 SFD 259	
PHARACH 11 SFD 210	PHARACH 35 SFD 235	PHARACH 60 SFD 260	
PHARACH 12 SFD 211	PHARACH 36 SFD 236	PHARACH 61 SFD 261	
PHARACH 13 SFD 212	PHARACH 37 SFD 237	PHARACH 62 SFD 262	
PHARACH 14 SFD 213	PHARACH 38 SFD 238	PHARACH 63 SFD 263	
PHARACH 15 SFD 214	PHARACH 39 SFD 239	PHARACH 64 SFD 264	
PHARACH 16 SFD 215	PHARACH 40 SFD 240	PHARACH 65 SFD 265	
PHARACH 17 SFD 216	PHARACH 41 SFD 241	PHARACH 66 SFD 266	
PHARACH 18 SFD 217	PHARACH 42 SFD 242	PHARACH 67 SFD 267	
PHARACH 19 SFD 218	PHARACH 43 SFD 243	PHARACH 68 SFD 268	
PHARACH 20 SFD 219	PHARACH 44 SFD 244	PHARACH 69 SFD 269	
PHARACH 21 SFD 220	PHARACH 45 SFD 245	PHARACH 70 SFD 270	
PHARACH 22 SFD 221	PHARACH 46 SFD 246	PHARACH 71 SFD 271	
PHARACH 23 SFD 222	PHARACH 47 SFD 247	PHARACH 72 SFD 272	
PHARACH 24 SFD 223	PHARACH 48 SFD 248	PHARACH 73 SFD 273	
PHARACH 25 SFD 224	PHARACH 49 SFD 249	PHARACH 74 SFD 274	

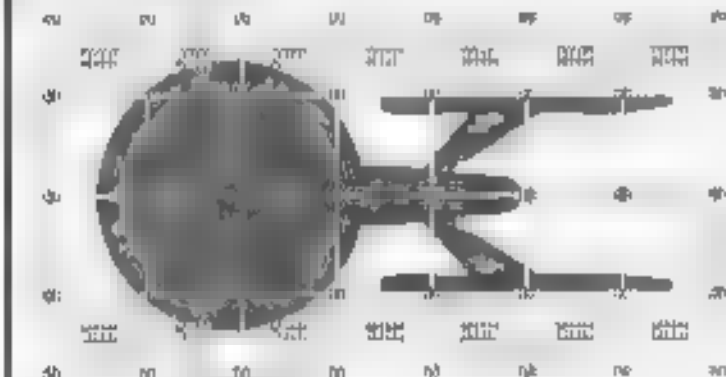
CLASS SHIP, 100T IN THE LINE OF DUTY. "2269.4"

Additional Shapes

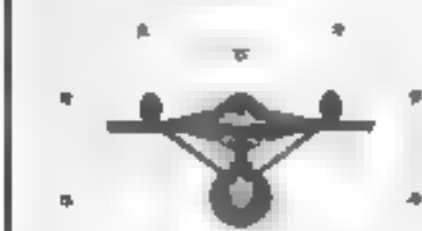


DRY DOCK FACILITY DATA	
Max. Length	34.1 m
Max. Width	187.24 m
Max. Height	125.23 m
Front Area	16590.92 m ²
Lower Area	34175.41 m ²
Volume	575885.70 m ³

SIDE PROFILE WITH HEAVY CRUISER



TOP PROFILE WITH HEAVY CRUISER

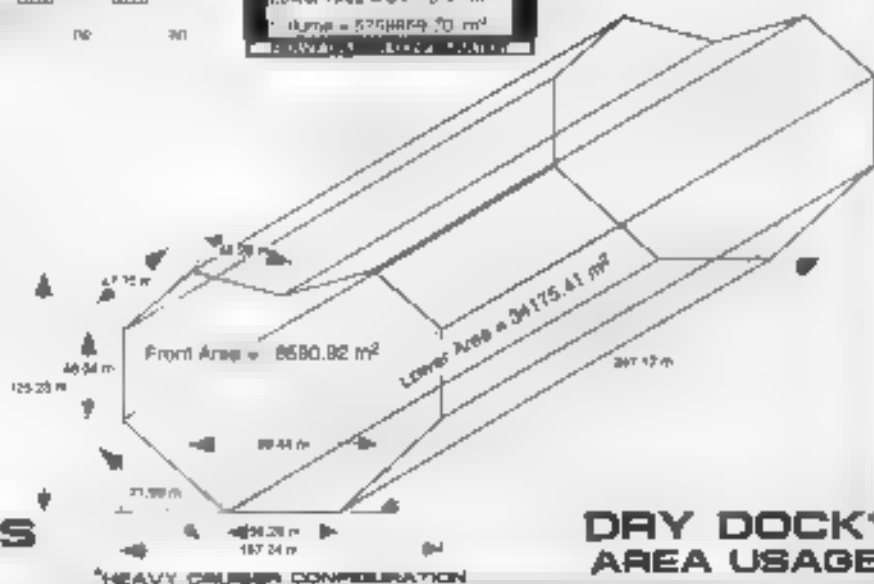


FRONT PROFILE WITH HEAVY CRUISER



DRY DOCK PROFILES WITH HEAVY CRUISER

SRMA-1 04:02:02:04



DRY DOCK* AREA USAGE

STARFLEET REFERENCE MANUAL

PHARACH CLASS

FEDERATION FACILITY

DRY DOCK TYPE III

General Information



Specific Role: Mobile dry docks are useful for reaching disabled vessels to remote locations and setting up temporary repair facilities. The facilities were designed for use by the ordinary as advanced repair bases. When not needed at remote locations the dock proceeds to a shipyard there is no need of additional facilities for repair work. The facility is very rigid which allows it to travel at warp speeds. For transportation the sides fold up under the center section.

Physical Description: The facility is made up of five rigid sections. The five sections are hinged to each other which enables the facility to fold up during transportation. The center section houses the main components of the shipyard/drydock. The center section is equipped with the (DS10/F-T1) bridge. On the lower part of the center section is the (SM49/20) main sensor array and (DN1/2-B) navigation dome. The work area is equipped with 42 (LF/5-B) high power light tubes located in six rows of seven banks. These light banks are supported by durability support cables. Located on the forward section of the center section is the hanger deck. On the underside of the center section are 4 (M/200/F4) inertial dampeners to help control the moves and of the ship and parts that are used in construction. Located on the side of the center section is a (SP/230-2) positioning sensor for determining the exact location and positioning of the parts used for construction. On the rear of the center section are the (L-400) 2 (M) dual probe units which are used for auxiliary power for warp propulsion. The craft is propelled at warp by a single (SM/F4) 5000 warp particle engine. Above and to the rear of the center section the warp nacelle is attached to the center section by a (M-40-150) connecting drossel. Inside the drossel is the (M20-10) 1-meter chamber and (AMH-18-20) insulator/antimatter storage tanks. The matter/antimatter storage tanks are positioned to the rear of the connecting drossel for emergency refueling.

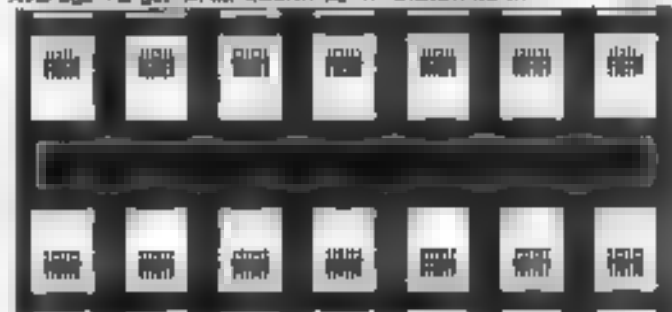
For additional detail refer to Datasheet MV10-D-7

Class Emblem



Ship Silhouettes

Total Target Area 136888.08 m² 71478.88 m²
Average Target Area 44629.36 m² 23888.08 m²



Top Silhouette

Area 6' 30' 90 m² 29788.08 m²



Port Silhouette

Area 72048.84 m² 11287.88 m²



Front Silhouette

Area 1459.68 m² 1405.99 m²



FEEDBACK FROM MEMBERS



PORT PROFILE (Colapsed)

Statistics

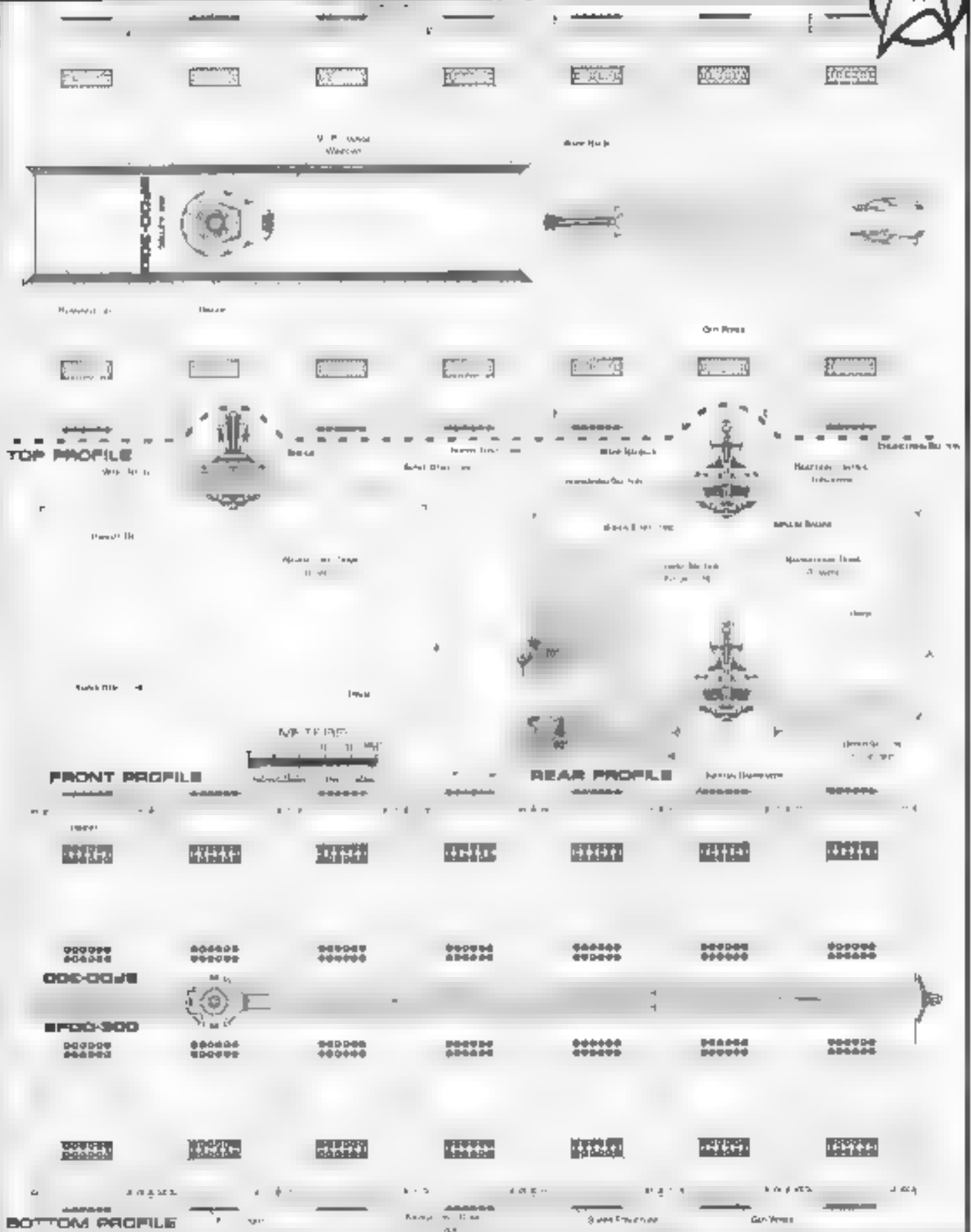
Installation Support
Weight: 35.0 lb
Wpn. Syst.
Type: Laser
Model: JRM-1
Target Construction Capabilities: 300
Number Proposed: 50
Number Acquired: 60
Number in Service: 50
Number Lost: 2
Dimensions
Overall Dimensions (Inches)
Length: 71.00 in
Width: 10.00 in
Height: 16.00 in
Wpn. Structure Dimensions (Inches)
Length: 34.00 in
Width: 10.00 in
Height: 5.00 in
Secondary Full Dimensions (Inches)
Length: 50 in
Width: 10 in
Height: 10 in
Wpn. Wld. Dimensions (Inches)
Length: 10.00 in
Width: 10 in
Height: 5.00 in
Displacement (Metric Tons)
Light: 5.00
Standard: 7.00
Full Load: 7.00
Performance
Impulse Units: 1000 (1000-1000)
Impulse Engine Output: 1000¹⁰ W
Impulse Power Index: 0.00
Max. Cruising:
Acceleration Rate:
 0.00-0.25 Impulse: 0.25 sec
 0.25-0.50 Impulse: 0.50 sec
 0.50-0.75 Impulse: 0.75 sec
 0.75-Full Impulse: 0.75 sec
Wpn. Units: 1000 (1000-1000)
Wpn. Engine Output: 1000¹⁰ W
Wpn. Power Index: 0.00

Optimum Speed: Warp 7
Max. Refr. Charging: Warp 8
Emergency Speed: Warp 9
Max. Speed: Warp 20
Deceleration Speed: Warp 7.5
Acceleration Force: 30
Acceleration Time:
Warp 1 Warp 2 0.545 sec
Warp 2 Warp 3 0.45 sec
Warp 3 Warp 4 0.53 sec
Warp 4 Warp 5 0.58 sec
Warp 5 Warp 6 0.64 sec
Warp 6 Warp 7 0.72 sec
Warp 7 Warp 8 0.78 sec
Warp 8 Warp 9 N/A
Warp 9.5 Warp 10 N/A
Warp 10 Warp 11 N/A
Duration (Years)
Stabbed: 1411
Maximum Temp:
Std. Ship Complement: 200
Officer: 20
Crew (Single Grade): 180
Troops: 0
Passengers: 0
Emergency condition: +200
Medical Facilities:
Doctors: 3
Medical Staff: 8
Operating Rooms: 2
Beds: 16
Laboratories: 0
Transporters Total: 10
1 Person: 1
2 Person: 0
3 Person: 4
12 Person: 0
13 Person: 0
Small Cargo: 2
Medium Cargo: 2
Large Cargo
Super Cargo: 0

Pelga
Registration: 94
Fractal Number:
 Your Capacity: 8760 GPa
 Mass Range: 4 C01070 km
Large Population:
 Standard Cargo Units: 0
 Cargo Capacity: 0.00000
Shipboard Specializations:
 Working Parts
 Shipboard Bays Total:
 Small Bay: 0
 Medium Bay: 0
 Large Bay
 Super Bay: 0
 Specialized Standard:
 Weak Zone: 0
 Travel Mode: 0
 Aquatic Shuttle: 0
 Light Shuttle: 0
 Standard Shuttle: 0
 Heavy Shuttle
 Cargo Shuttle: 0
 Assault Shuttle: 0
 Killer Ship: 0
 Fighter: 0
 Heavy Fighter: 0
Lifeboats: 0
 Turbojet (0 persons): 0
 Lifeboat (0 persons): 0
 Lifeboat (20 persons): 0
 Lifeboat (30 persons): 0
Cloaking Device: 0
Security Index Values:
 Firearm Survey: 0.000
 Baller Survey: 0.000
 Mass Range: 0.000
 Long Range: 0.000
 Navigation: 0.000
 Special: 0.000
Computers: 0
Type: Custom Machine III
Type: Custom Machine III

22'W 144'N 11 S
 Block: Marling
 Block Index: 0 00
 Weight: 10000 12 W
 Block Rate: 0.001 11 W
 Block Rate: 0.001 12 W
 Block Dimensions (mm)
 Length: 210 11
 Width: 70 11
 Height: 10 11 11 11
 Weight:
 Phase Power Index: 0 0
 Phase Power Index: 0 0
 Phase Power Index: 0 0
 Phase Power Index:
 Phase (Phase) Total: N/A
 Range: N/A
 Rate of Fire: N/A
 Forward Banks: 0
 Rear Banks: 0
 Port Banks: 0
 Starboard Banks: 0
 Upper Banks: 0
 Lower Banks: 0
 Beam (Phase) Total: N/A
 Output: N/A
 Range: N/A
 Rate of Fire: N/A
 Forward/Rear Banks: 0
 Port/Starboard Banks: 0
 Upper/Lower Banks: 0
 Torpedo (Phase) Total: N/A
 Stock: N/A
 Range: N/A
 Output: N/A
 Rate of Fire: N/A
 Forward Bay: 0
 Rear Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

DRY DOCK TYPE III





DRY DOCK TYPE III

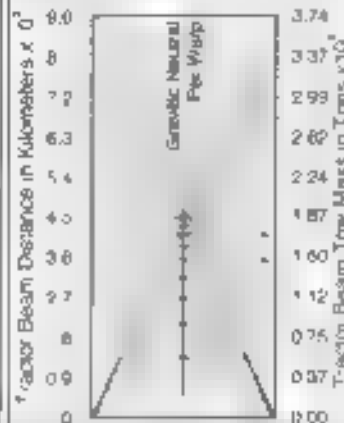
Ship Names

THE FOLLOWING SHIPS OF THE TYPE III CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2272.3

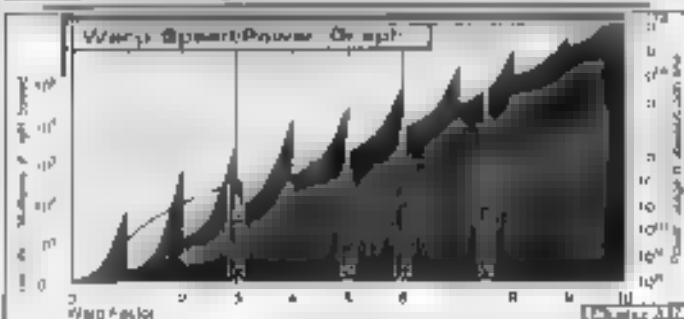
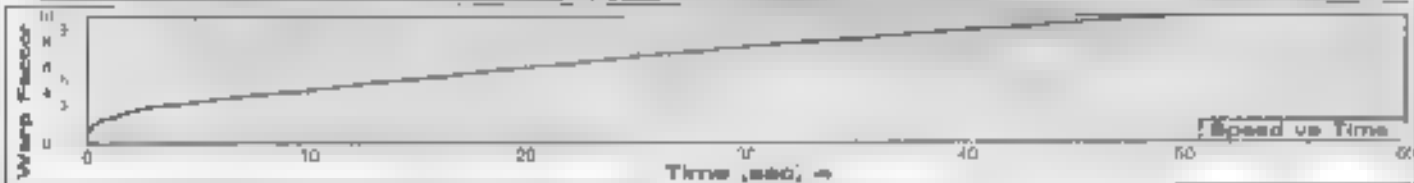
AZTEL 15	SFDO 425	AZTEL 50	SFDO 450
AZTEL 26	SFDO 326	AZTEL 51	SFDO 451
AZTEL 27	SFDO 327	AZTEL 52	SFDO 452
AZTEL 28	SFDO 328	AZTEL 53	SFDO 453
AZTEL 29	SFDO 329	AZTEL 54	SFDO 454
AZTEL 30	SFDO 330	AZTEL 55	SFDO 455
AZTEL 31	SFDO 331	AZTEL 56	SFDO 456
AZTEL 32	SFDO 332	AZTEL 57	SFDO 457
AZTEL 33	SFDO 333	AZTEL 58	SFDO 458
AZTEL 34	SFDO 334	AZTEL 59	SFDO 459
AZTEL 35	SFDO 335	AZTEL 60	SFDO 460
AZTEL 36	SFDO 336	AZTEL 61	SFDO 461
AZTEL 37	SFDO 337	AZTEL 62	SFDO 462
AZTEL 38	SFDO 338	AZTEL 63	SFDO 463
AZTEL 39	SFDO 339	AZTEL 64	SFDO 464
AZTEL 40	SFDO 340	AZTEL 65	SFDO 465
AZTEL 41	SFDO 341	AZTEL 66	SFDO 466
AZTEL 42	SFDO 342	AZTEL 67	SFDO 467
AZTEL 43	SFDO 343	AZTEL 68	SFDO 468
AZTEL 44	SFDO 344	AZTEL 69	SFDO 469
AZTEL 45	SFDO 345	AZTEL 70	SFDO 470
AZTEL 46	SFDO 346	AZTEL 71	SFDO 471
AZTEL 47	SFDO 347	AZTEL 72	SFDO 472
AZTEL 48	SFDO 348	AZTEL 73	SFDO 473
AZTEL 49	SFDO 349	AZTEL 74	SFDO 474
AZTEL 50	SFDO 350	AZTEL 75	SFDO 475

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



CLASS SHIP, LISTED IN THE LOG OF DUTY, "PROPOSED" ALL NAMES PRECEDED WITH "A.S.M."



Field Length: 578.40m
Field Width: 88.88m
Field Height: 71.64m

Front Warp Field Profile
Cross Section Area: 12825.52 m²



Port Warp Field Profile
Cross Section Area: 12825.52 m²



Top Warp Field Profile
Cross Section Area: 12825.52 m²

DRY DOCK TYPE IV

General Information



Specific Role: The Dry Dock Type IV is the replacement for the aging Type I. The Type IV is an extremely modular facility designed to be expanded to include repair and construction jobs as large as spare station ships.

Physical Description: The facility is made up of 14 (DL/M2-25) modular side sections, 28 (DD/M2-3C) curved sections and 14 (TH/60-R2C) hangar storage sections. Each modular section is equipped with a (LF/2-C) dual high power light bank for a total of 56 units. These light banks are supported by bars and duramoy cables. Additional lighting is provided by (MLF/43-A) adjustable floodlights that can be positioned as needed. Along the underside of the hangar/storage facility are the 120 (IM-148-A) inertial dampeners to help control movement of the ship and parts to the construction area. Located on each light bank is a (SP/430-Z) positioning sensors for determining the exact location and positioning of the parts used for construction.

For additional detail refer to Datasheet MVI-D-4

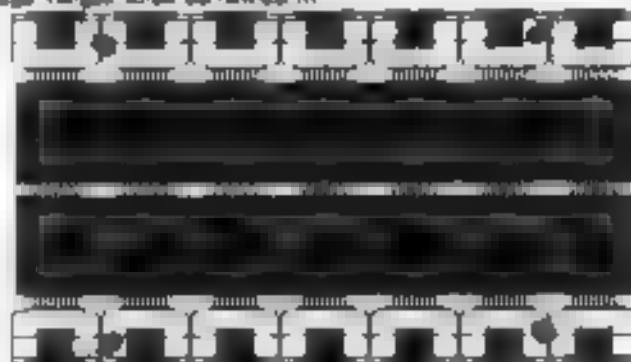
Class Emblem



Facility Silhouettes

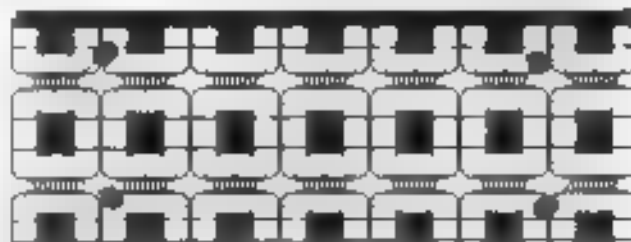
Total Target Area: 177374.03 m²

Average Target Area: 54384.84 m²



Top Silhouette

Area: 54384.84 m²



Port Silhouette

Area: 51747.86 m²



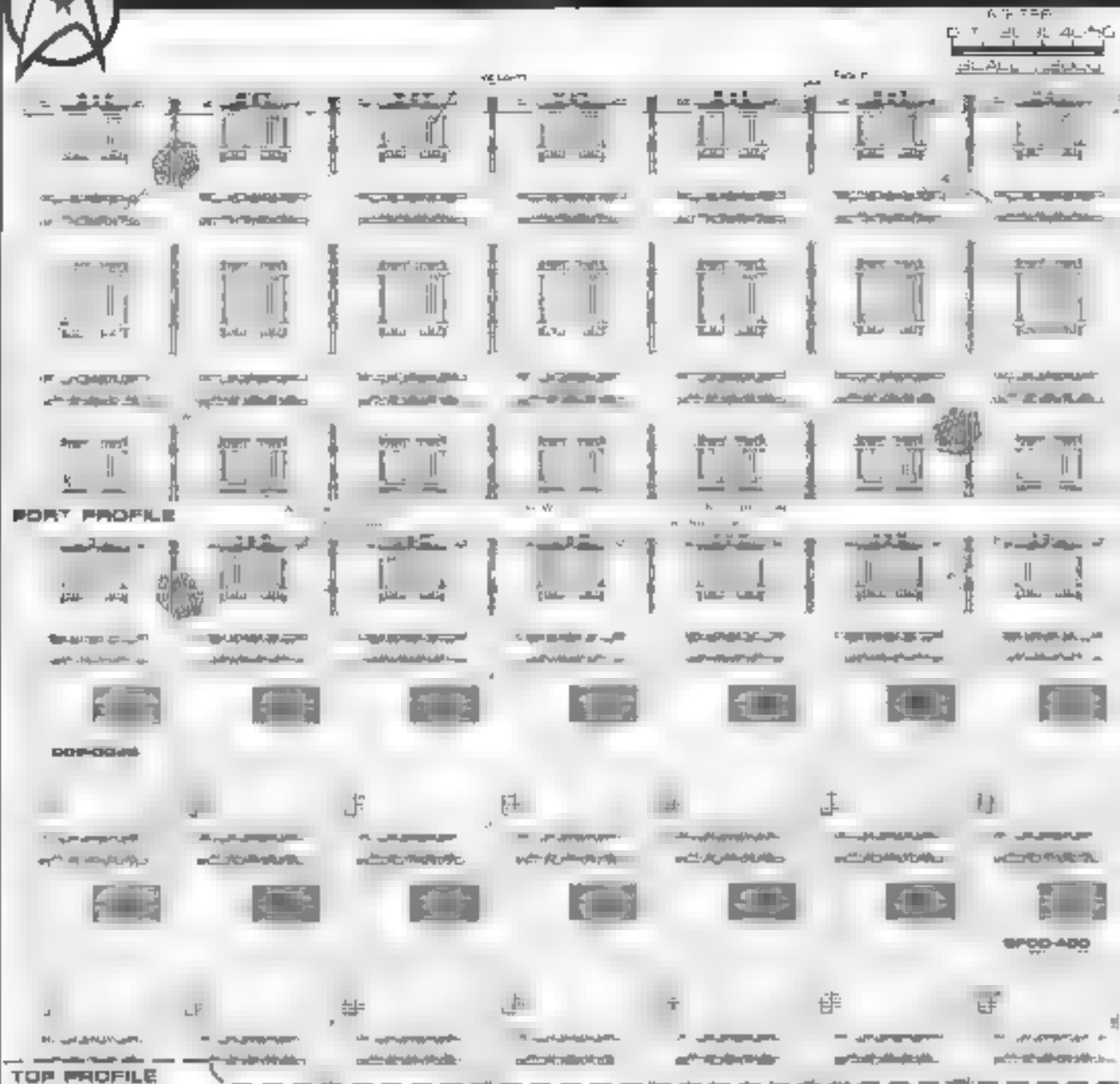
Front Silhouette

Area: 160213 m²



DRY DOCK TYPE IV

MAYA CLASS



Statistics

Classification: Dry Dock
Category: Type 4
Class: Maya
Type: 335.4
Model: Type IV
Naval Construction Contract: 400
Number Proposed: 32
Number Constructed: 34
Number in Service: 34
Number Lost: 0
Dimensions:
Overall Dimensions (Meters):
 Length: 171.7m
 Width: 208.58m
 Height: 18.32m
Displacement (Metric Tons):
 Light: 99,487m
 Standard: 280,587m
 Full Load: 340,450m

Duration (Years):
 Standard: 20 Years
 Maximum: 40 Years
Std. Facility Complement: 300
Officers: 40
Crew (Ensign Grade): 280
Emergency condition: +400
Medical Facilities:
 Doctors: 4
 Medical Staff: 15
 Operating Rooms: 3
 Beds: 20
Transporters Total: 11
 1 Person: 0
 2 Person: 0
 6 Person: 4
 12 Person: 0
 22 Person: 0
 Small Cargo: 1

Medium Cargo: 2
Large Cargo: 2
Super Cargo:
 Replicators: 20
Major Tractor Beams: 1
Tow Capacity: 10,000m
Max Range: 9,000,000km
Minor Tractor Beams:
Tow Capacity: 500,000m
Max Range: 4,700,000km
Cargo Specification:
 Standard Cargo Units: 200
 Cargo Capacity: 6,000m
Shuttlecraft Specifications:
Shuttlecraft Bays Total: 4
 Small Bay: 0
 Medium Bay: 0
 Large Bay: 4
 Super Bay: 0

Shuttlecraft Standard: 0
Work Bees: 40
Tug Shuttle: 2
Work Shuttle: 20
Travel Pods: 0
Light Shuttle: 4
Standard Shuttle: 8
Heavy Shuttle: 3
Cargo Shuttle: 15
Lifeboats: 0
Turbolift (8 person): 4
Lifeboat (10 person): 0
Lifeboat (20 person): 0
Lifeboat (30 person): 0
Repair Index Values:
Alignment Sensor: 1,559
Computers: 2
Type: Daystrom Quatronic IIg
Type: Daystrom Quatronic IIu

FEDERATION FACILITY

DRY DOCK TYPE IV



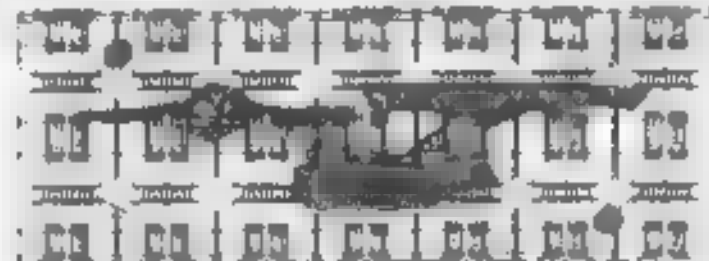
Facility Names

THE FOLLOWING SHIPS OF THE TYPE IV CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2266.6

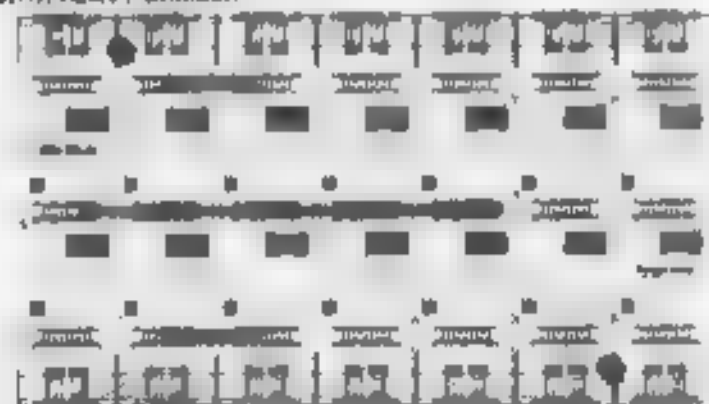
MAYA 1 SFDD 400"	MAYA 25 SFDD 415"	MAYA 50 SFDD 450"
MAYA 2 SFDD 401"	MAYA 26 SFDD 420"	MAYA 51 SFDD 455"
MAYA 3 SFDD 402"	MAYA 27 SFDD 425"	MAYA 52 SFDD 460"
MAYA 4 SFDD 403"	MAYA 28 SFDD 430"	MAYA 53 SFDD 465"
MAYA 5 SFDD 404"	MAYA 29 SFDD 435"	MAYA 54 SFDD 470"
MAYA 6 SFDD 405"	MAYA 30 SFDD 440"	MAYA 55 SFDD 475"
MAYA 7 SFDD 406"	MAYA 31 SFDD 445"	MAYA 56 SFDD 480"
MAYA 8 SFDD 407"	MAYA 32 SFDD 450"	MAYA 57 SFDD 485"
MAYA 9 SFDD 408"	MAYA 33 SFDD 455"	MAYA 58 SFDD 490"
MAYA 10 SFDD 409"	MAYA 34 SFDD 460"	MAYA 59 SFDD 495"
MAYA 11 SFDD 410"	MAYA 35 SFDD 465"	MAYA 60 SFDD 500"
MAYA 12 SFDD 411"	MAYA 36 SFDD 470"	MAYA 61 SFDD 505"
MAYA 13 SFDD 412"	MAYA 37 SFDD 475"	MAYA 62 SFDD 510"
MAYA 14 SFDD 413"	MAYA 38 SFDD 480"	MAYA 63 SFDD 515"
MAYA 15 SFDD 414"	MAYA 39 SFDD 485"	MAYA 64 SFDD 520"
MAYA 16 SFDD 415"	MAYA 40 SFDD 490"	MAYA 65 SFDD 525"
MAYA 17 SFDD 416"	MAYA 41 SFDD 495"	MAYA 66 SFDD 530"
MAYA 18 SFDD 417"	MAYA 42 SFDD 500"	MAYA 67 SFDD 535"
MAYA 19 SFDD 418"	MAYA 43 SFDD 505"	MAYA 68 SFDD 540"
MAYA 20 SFDD 419"	MAYA 44 SFDD 510"	MAYA 69 SFDD 545"
MAYA 21 SFDD 420"	MAYA 45 SFDD 515"	MAYA 70 SFDD 550"
MAYA 22 SFDD 421"	MAYA 46 SFDD 520"	MAYA 71 SFDD 555"
MAYA 23 SFDD 422"	MAYA 47 SFDD 525"	MAYA 72 SFDD 560"
MAYA 24 SFDD 423"	MAYA 48 SFDD 530"	MAYA 73 SFDD 565"
MAYA 25 SFDD 424"	MAYA 49 SFDD 535"	MAYA 74 SFDD 570"

Tractor Beam Specifications

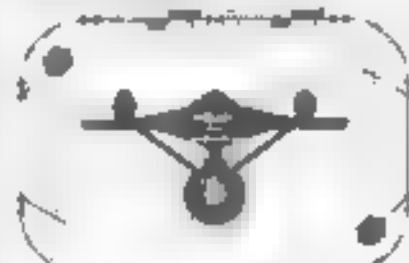
Primary Tractor Beam Load Calculator



SIDE PROFILE WITH HEAVY CRUISER

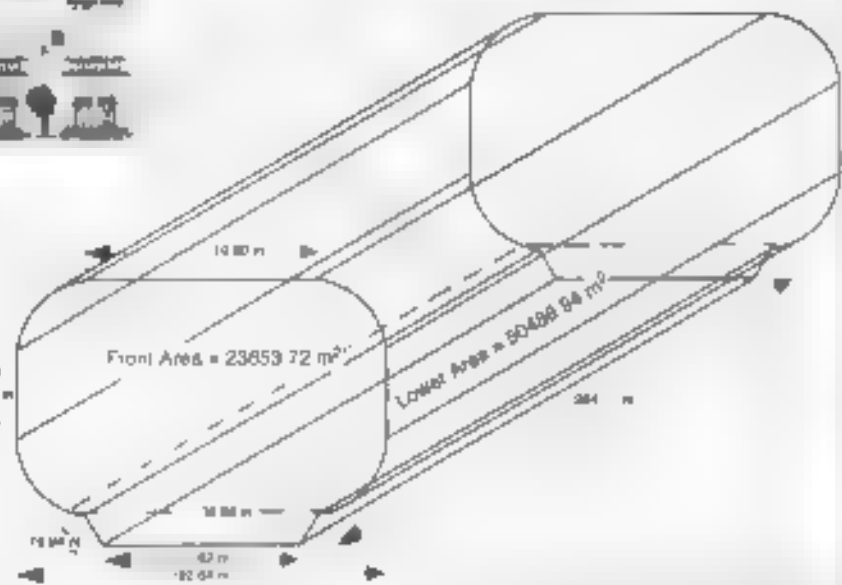


TOP PROFILE WITH HEAVY CRUISER



FRONT PROFILE WITH HEAVY CRUISER

WORK AREA DIMENSIONS	
Max. Length	364 m
Max. Width	192.64 m
Max. Height	136.64 m
Front Area	23653.72 m ²
Lower Area	50486.84 m ²
Volume	561248.37 m ³



DRY DOCK PROFILES WITH HEAVY CRUISER

DRY DOCK AREA USAGE

SRMA-1 04:02:04:04

STARFLEET REFERENCE MANUAL

MAYA CLASS

FEDERATION FACILITY

STARSHIPS



General Information

Starfleet is responsible for the protection and exploration of the vast reaches of known and unknown space. Although the Federation is dedicated to peace, it has learned that a wide variety of military personnel and support vessels is required to protect and support the Federation. The fleet includes the following ship classes: Destroyers, Cruisers, Frigates, Transport/Tugs, and Containers.

Destroyers are primarily designed for defense, but also support many other types of operations. They are equipped with heavy weapons and shields, and have the power to disrupt enemy ships. The destroyer is also capable of a variety of defense and attack maneuvers, types of enemy vessels. Destroyers are especially suited to a ship's own defense. Several versions are required to meet specific missions. When military action is not required, they are used for support missions throughout the Federation.

Cruisers are general purpose vessels. Cruisers have proven to be the most versatile starships in the Federation. All cruisers are equipped with a wide variety of weapons, extensive sensors and complex research laboratories.

Frigates are used for transport, support, and defense in conflict zones, as the Neutral Zone border. The frigate is primarily used for patrol and defense of the fleet's support operations. When necessary, they are used for support missions throughout the Federation. Frigate versions are designed to meet specific needs.

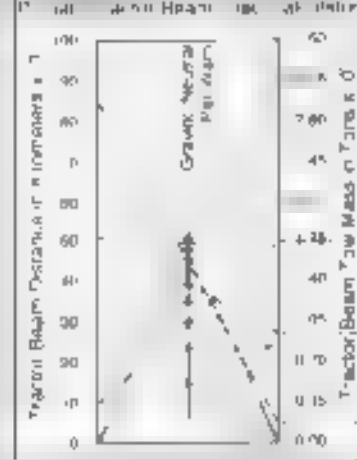
Transport/Tugs are used for transport vessels. They have a design that allows them to carry a large number of passengers and cargo. Transport/Tugs are the backbone of the Federation's logistics. They are equipped with a variety of weapons and sensors to protect the fleet from hostile forces. They are also used for transport of goods and passengers.

Containers are used for both standard and customized cargo. They fit specific needs. They carry everything from people to food. Some containers are equipped for military use as well.

Tractor Beam

The tractor beam is used to pull objects toward the ship. It is used for defense, rescue, and transport. The tractor beam is used to pull objects toward the ship. It is used for defense, rescue, and transport. The tractor beam is used to pull objects toward the ship. It is used for defense, rescue, and transport.

Tractor Beam Specifications



Range: 0-1 km	Warp Factor: 1	Max Tow: 100 T
Range: 5-20 km	Warp Factor: 2	Max Tow: 100 T
Range: 65-100 km	Warp Factor: 3	Max Tow: 100 T

Warp Conversion

Warp Factor	Speed (km/h)	Speed (km/s)	Speed (km/min)
1.0	1000	0.278	16.7
2.0	10000	2.78	167
3.0	100000	27.8	1670
4.0	1000000	278	16700
5.0	10000000	2780	167000
6.0	100000000	27800	1670000
7.0	1000000000	278000	16700000
8.0	10000000000	2780000	167000000
9.0	100000000000	27800000	1670000000
10.0	1000000000000	278000000	16700000000
11.0	10000000000000	2780000000	167000000000
12.0	100000000000000	27800000000	1670000000000
13.0	1000000000000000	278000000000	16700000000000
14.0	10000000000000000	2780000000000	167000000000000
15.0	100000000000000000	27800000000000	1670000000000000
16.0	1000000000000000000	278000000000000	16700000000000000
17.0	10000000000000000000	2780000000000000	167000000000000000
18.0	100000000000000000000	27800000000000000	1670000000000000000
19.0	1000000000000000000000	278000000000000000	16700000000000000000
20.0	10000000000000000000000	2780000000000000000	167000000000000000000
21.0	100000000000000000000000	27800000000000000000	1670000000000000000000
22.0	1000000000000000000000000	278000000000000000000	16700000000000000000000
23.0	10000000000000000000000000	2780000000000000000000	167000000000000000000000
24.0	100000000000000000000000000	27800000000000000000000	1670000000000000000000000
25.0	1000000000000000000000000000	278000000000000000000000	16700000000000000000000000
26.0	10000000000000000000000000000	2780000000000000000000000	167000000000000000000000000
27.0	100000000000000000000000000000	27800000000000000000000000	1670000000000000000000000000
28.0	1000000000000000000000000000000	278000000000000000000000000	16700000000000000000000000000
29.0	10000000000000000000000000000000	2780000000000000000000000000	167000000000000000000000000000
30.0	100000000000000000000000000000000	27800000000000000000000000000	1670000000000000000000000000000
31.0	1000000000000000000000000000000000	278000000000000000000000000000	16700000000000000000000000000000
32.0	10000000000000000000000000000000000	2780000000000000000000000000000	167000000000000000000000000000000
33.0	100000000000000000000000000000000000	27800000000000000000000000000000	1670000000000000000000000000000000
34.0	1000000000000000000000000000000000000	278000000000000000000000000000000	16700000000000000000000000000000000
35.0	10000000000000000000000000000000000000	2780000000000000000000000000000000	167000000000000000000000000000000000
36.0	100000000000000000000000000000000000000	27800000000000000000000000000000000	1670000000000000000000000000000000000
37.0	1000000000000000000000000000000000000000	278000000000000000000000000000000000	16700000000000000000000000000000000000
38.0	100	2780000000000000000000000000000000000	167000000000000000000000000000000000000
39.0	1000	27800000000000000000000000000000000000	1670000000000000000000000000000000000000
40.0	100	278000000000000000000000000000000000000	16700000000000000000000000000000000000000
41.0	1000	2780000000000000000000000000000000000000	167000000000000000000000000000000000000000
42.0	100	27800000000000000000000000000000000000000	16700
43.0	1000	278000000000000000000000000000000000000000	167000
44.0	100	27800	16700
45.0	1000	278000	167000
46.0	100	27800	16700
47.0	1000	278000	167000

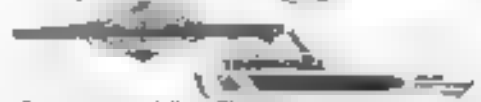


Size Comparison

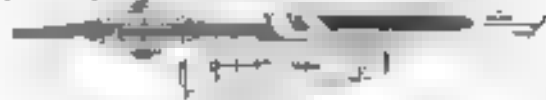
Destroyer - Jangleth Class



Fast Destroyer - Swiftan Class



Heavy Destroyer - Holman Class



Interceptor - Gekhen Class



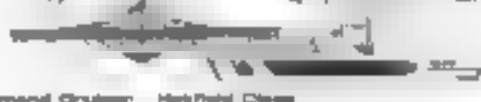
Light Destroyer - Lynah Class



Long Range Destroyer - Paroo Class



FT Destroyer - Akko Class



Command Cruiser - Harford Class



Cruiser - Pabaki Class



Cruiser - Iverson Class



Dropnaught - Star League Class



Fast Cruiser - Chovach Class



Heavy Cruiser - Enterprise Class



Light Cruiser - Shanks Class



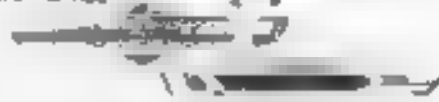
Assault Frigate - Comanche Class



Assault Frigate - Coyote Class



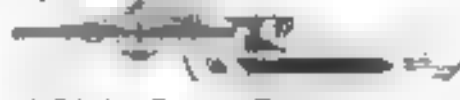
Frigate - Bragg Class



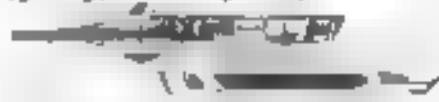
Heavy Frigate - Miranda Class



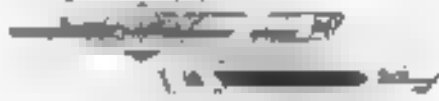
Light Frigate - Landon Class



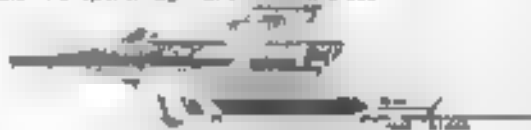
Strategic Frigate - Saratoga Class



Tactical Frigate - Murphy Class



Assault Transport/Tug - Brownhead Class



Heavy Transport/Tug - Hendry Class



Light Transport/Tug - Fisher Class



STARSHIP REFERENCE MANUAL
REV. C-1028

Transport/Tug - Monolith Class



DESTROYER



General Information

Specific Role: The Destroyer is a swift, powerful, and efficient starship used for patrols, surveillance, and Federation defense. The primary mission of the destroyer is extended patrol duty along various treaty zones. During military operations, the destroyer is used for assault missions, perimeter defense for the larger capital ships. The destroyer is also used to escort civilian ships through troubled regions. The vessel is equipped with extensive ECM equipment to help it survive. The vessel's small size makes it both swift and hard to target.

Physical Description: The destroyer's (PH147/D-M1) primary hull is reinforced and equipped with supplemental targeting sensors and a small hangar deck located on the upper starboard side. Incorporated into the starboard deflector grid are additional electronic counter measures to make the vessel more stealthy. The primary hull is also equipped with a (BS10/D-T1) tactical bridge which incorporates a larger weapons and tracking system. On the lower part of the primary hull is the (SM49/21) main sensor array and (DN1/2) navigation computer located port starboard and on the front on both top and bottom of the primary hull are 6 x 12 x 20 phaser banks. The rear of the primary hull are (IP 86E/2) reactor units which are used for auxiliary power into the warp propulsion. The vessel's warp fields are generated by a single (SW52) SEC warp nacelle mounted externally to the primary hull by a (DL 750-4HY) connecting torus. Inside the torus are the (M20 10 C) intermix chamber and (AM4/ 8 2 T) matter antimatter storage tanks. The storage tanks are located on the rear of the connecting torus in emergency jetisoning. Sandwiched between the torus and the nacelle is a forward facing PH2 25 (10) phaser broadsides. In the event of an emergency the primary hull can separate from the warp nacelle section. Once separated, the primary hull can maneuver on impulse power for extended periods of time.

For additional details refer to Datasheet MV-6

Class Emblem



Ship Silhouettes

Total Target Area 23052.88 m²
Average Target Area 7684.29 m²



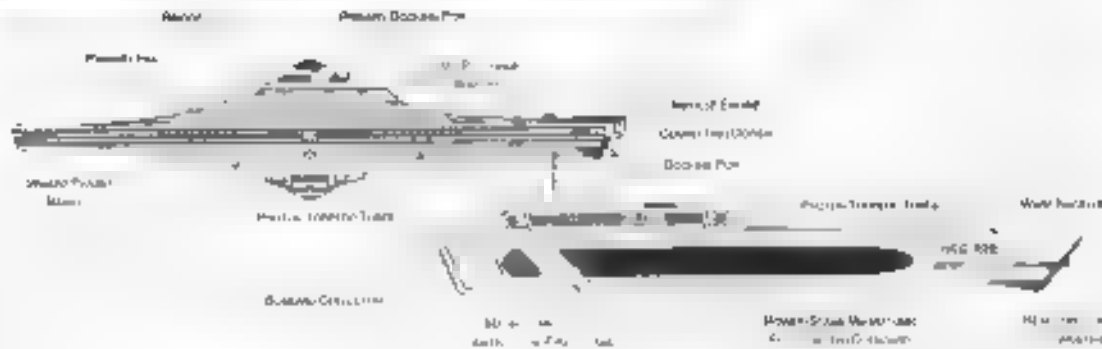
Top Silhouette
Area 17019.27 m²



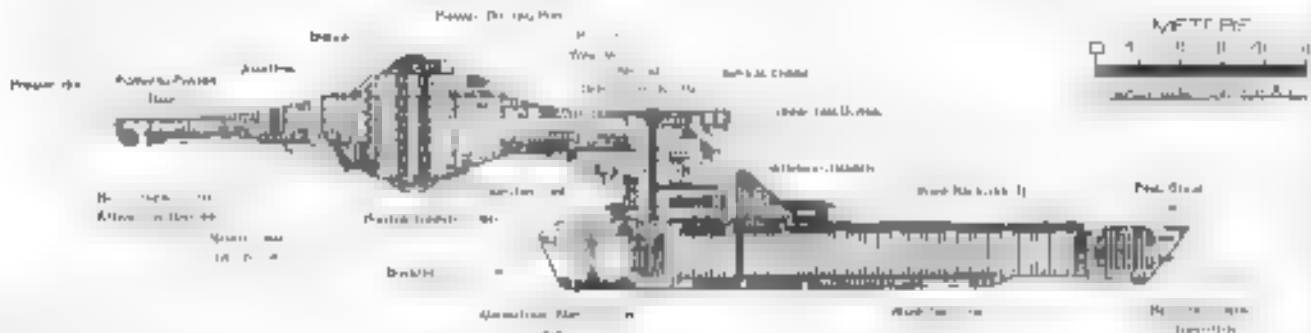
Port Silhouette
Area 4892.85 m²



Front Silhouette
Area 1950.76 m²



PORT PROFILE



CASE STUDY SECTION

Statistics

```

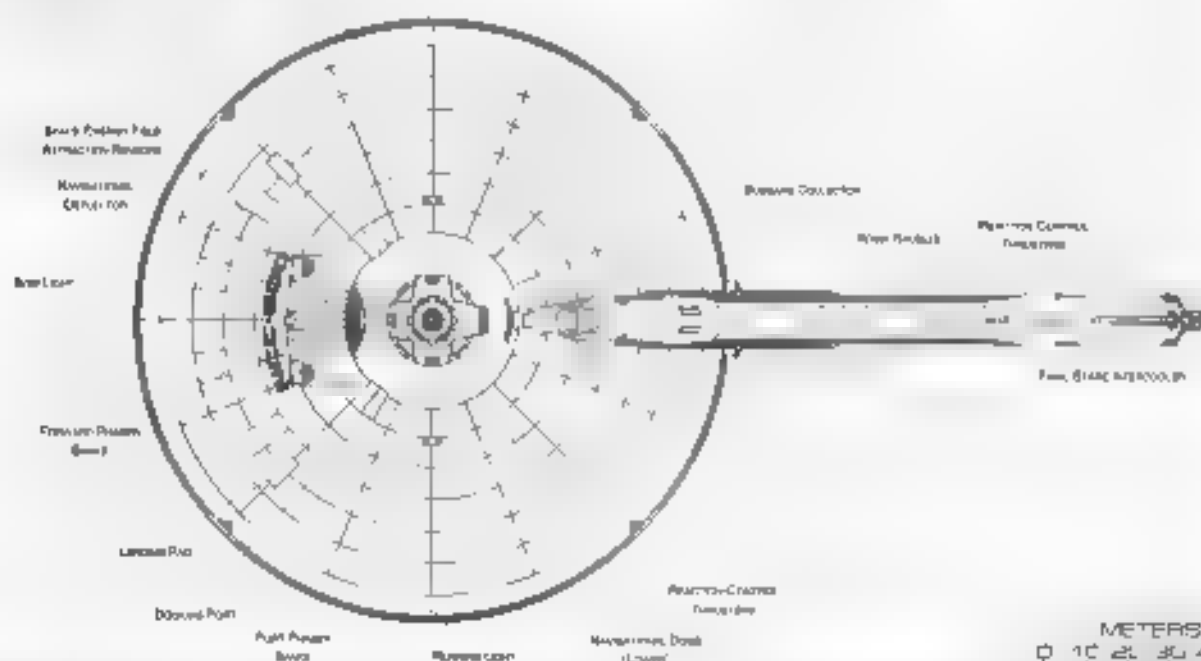
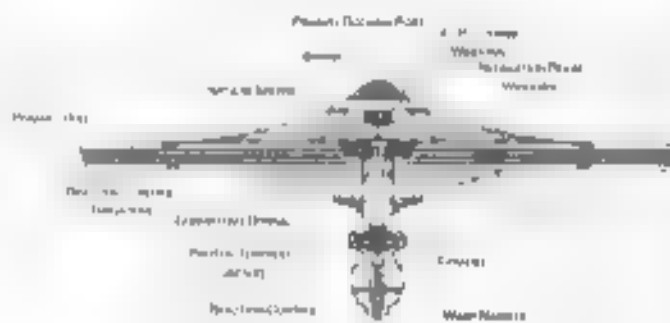
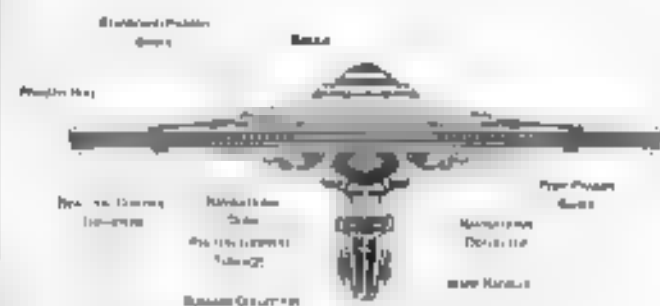
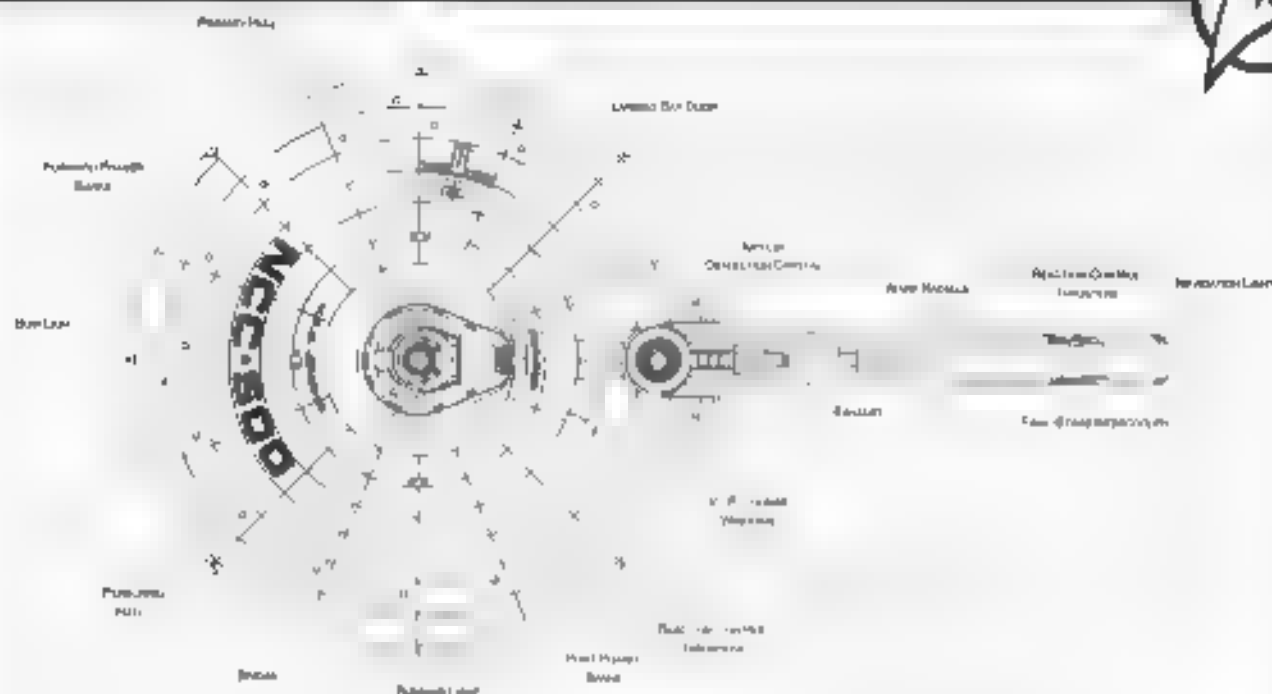
classof:Beam-1001-type
class:gunry-1001-type
class:1001-type
type:1001
model:all-1001
Ravel Construction Coefficient:100
Number:Proposed-10
Number:constructed:10
Number:in-Stock:10
Number:1001
Dimensions
Overall Dimensions (Overall)
Length:1001 m
Width:1001 m
Height:1001 m
Primary Hull Dimensions (Overall)
Length:1001 m
Width:1001 m
Height:1001 m
Secondary Hull Dimensions (Overall)
Length:1001 m
Width:1001 m
Height:1001 m
Warp-Hull Dimensions (Overall)
Length:1001 m
Width:1001 m
Height:1001 m
Displacement (Electric Torque)
Light:1001 m
Standard:1001 m
Full Load:1001 m
Performance:
Impulse Unit:1001 m/s
Impulse Engine Output:1001 m/s
Impulse Power Index:1001
Max Thrust:1001 m/s
Acceleration Rate:
0.00-0.25 Impulse:1001 m/s
0.25-0.50 Impulse:1001 m/s
0.50-0.75 Impulse:1001 m/s
0.75-1.00 Impulse:1001 m/s
Warp Units:2 N-1001 m/s
Warp Engine Output:1001 m/s
Warp Power Index:1001

```

Optimum Speed: 4
Max Safe Cruising 4
Emergency Speed 4.01
Max Speed 4
Disaster Evac Speed: 4.25
Acceleration Power 3
Acceleration Time:
Warp 1 Warp 2 15 sec
Warp 2 Warp 3 10 sec
Warp 3 Warp 4 4.01 sec
Warp 4 Warp 5 1.01 sec
Warp 5 Warp 6 1.01 sec
Warp 6 Warp 7 2.01 sec
Warp 7 Warp 8 3.01 sec
Warp 8 Warp 9 4.01 sec
Warp 9 Warp 9.5 4.51 sec
Warp 9.5 Warp 9.75 5.01 sec
Warp 9.75 Warp 9.9 27.25 sec
Orbital Time:
Standard: 4 Years
Maximum: 10 Years
Red Ship Component: 328
Orbits: 4
Cross (Klingon Orbital): 2.52
Troops: 10
Passengers: 30
Emergency condition: +400
Medical Facilities:
Doctors
Medical Ward
Operating Room: 2
Beds: 6
Laboratories: 6
Transporters Total: 8
Person: 0
2 Person: 0
8 Person: 0
9 Person: 0
25 Person:
Small Cargo:
Medium Cargo:
Large Cargo: 0
Super Cargo: 0

Malign
 Malign-Advers 4
 Travel: Standard
 Tow: 4000 (10 5000) m
 Mass Range 10000
 Cargo Specifications
 Standard Cargo Units (H
 arge Capacity) 100
 Malign Terraform Specifications:
 Working Parts
 Phasication Days Total:
 Small Day
 Medium Day 0
 Large Day 0
 Super Day 11
 Abundance Standard: 15
 Work Mode:
 Travel Mode:
 Aquatic Abilities:
 Light Abilities 0
 Standard Abilities:
 Heavy Abilities
 Cargo Abilities:
 Aquatic Abilities:
 Sides 0000
 Light Abilities: 2
 Abilities: 2
 Heavy Abilities 2
 Abilities 31
 Turbojet 15 percent 4
 Jetboat 120 percent 2
 Jetboat 120 percent 5
 Jetboat 130 percent 0
 Climbing Devices 0
 Sensor Index Value:
 Mantle Bay 34
 Shell Survey
 Bone Range: 33
 Lopy Range: 2
 Navigation: 3
 Special: 60
 Computers: 2
 Type: Dystopian Dystopian
 Type: Dystopian Dystopian

2: M Index 10
 Shield Rating
 Shield Index 40
 Molded Power 44000 W
 Atomic Rate 0.12 W
 Residuals Index 0.12 W
 Shield Temperature (Shield)
 Length 100 m
 Width 2.2 m
 Height 10 m
 Weapons:
 Phase Power Index 10
 Photon Power Index 0
 Visual Power Index 40
 Weapon Placement
 Beam (Phase) Total: 8 Beam 2 m/s
 Output: 10 W 30 W
 Range: 10 m
 Rate of Fire 30 rpm/Con
 Forward Banks
 Rear Banks 0
 Port Banks 0
 Starboard Banks 0
 Upper Banks 0
 Lower Banks 0
 Beam (Major Phase) Total: 0
 Output: 10 W
 Range: 10 m
 Rate of Fire: 10
 Forward/Rear Banks 0
 Port/Starboard Banks 0
 Upper/Lower Banks 0
 Turboprop (Photon) Total: 2 Bay
 Shock 30
 Range 200 m
 Output 10.50 MT
 Rate of Fire: 10 rpm
 Forward Bay:
 Rear Bay 0
 Port Bay 0
 Starboard Bay: 0
 Upper Bay 0
 Lower Bay 0



METERS
0 10 20 30 40 50



Ship Names

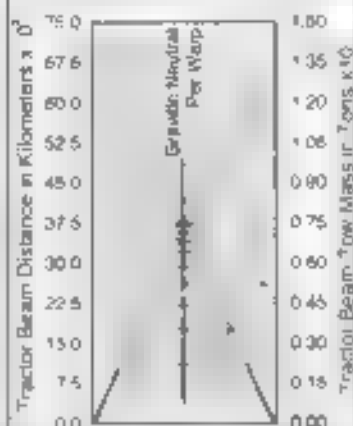
DESTROYER

THE FOLLOWING SHIPS OF THE MK VIII CLASS WERE AUTHORIZED BY THE AMBASSADOR ARTICLES OF FEDERATION OF STARDATE 2259.10

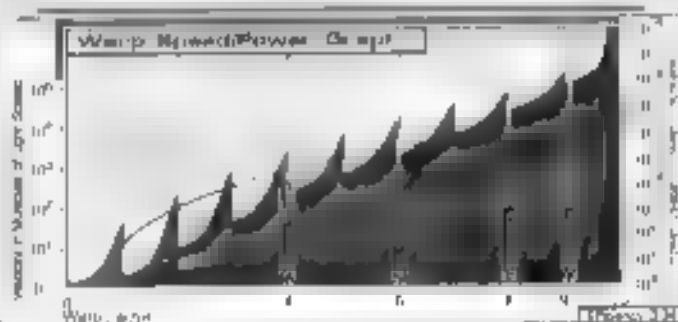
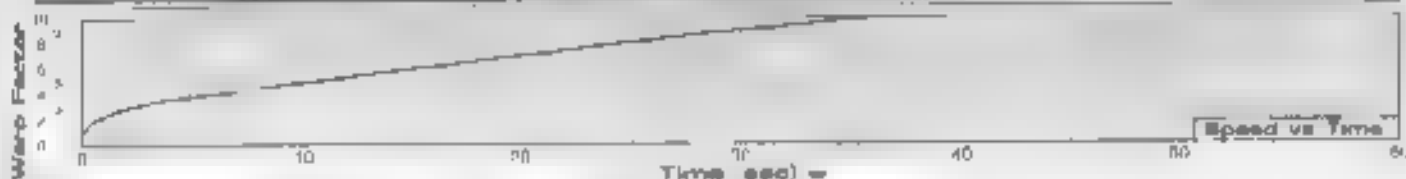
ACHILLES -NCC-501	ADAM -NCC-502	ADAM -NCC-503	ADAM -NCC-504
ADAM -NCC-505	ADAM -NCC-506	ADAM -NCC-507	ADAM -NCC-508
ADAM -NCC-509	ADAM -NCC-510	ADAM -NCC-511	ADAM -NCC-512
ADAM -NCC-513	ADAM -NCC-514	ADAM -NCC-515	ADAM -NCC-516
ADAM -NCC-517	ADAM -NCC-518	ADAM -NCC-519	ADAM -NCC-520
ADAM -NCC-521	ADAM -NCC-522	ADAM -NCC-523	ADAM -NCC-524
ADAM -NCC-525	ADAM -NCC-526	ADAM -NCC-527	ADAM -NCC-528
ADAM -NCC-529	ADAM -NCC-530	ADAM -NCC-531	ADAM -NCC-532
ADAM -NCC-533	ADAM -NCC-534	ADAM -NCC-535	ADAM -NCC-536
ADAM -NCC-537	ADAM -NCC-538	ADAM -NCC-539	ADAM -NCC-540
ADAM -NCC-541	ADAM -NCC-542	ADAM -NCC-543	ADAM -NCC-544
ADAM -NCC-545	ADAM -NCC-546	ADAM -NCC-547	ADAM -NCC-548
ADAM -NCC-549	ADAM -NCC-550	ADAM -NCC-551	ADAM -NCC-552
ADAM -NCC-553	ADAM -NCC-554	ADAM -NCC-555	ADAM -NCC-556
ADAM -NCC-557	ADAM -NCC-558	ADAM -NCC-559	ADAM -NCC-560
ADAM -NCC-561	ADAM -NCC-562	ADAM -NCC-563	ADAM -NCC-564
ADAM -NCC-565	ADAM -NCC-566	ADAM -NCC-567	ADAM -NCC-568
ADAM -NCC-569	ADAM -NCC-570	ADAM -NCC-571	ADAM -NCC-572
ADAM -NCC-573	ADAM -NCC-574	ADAM -NCC-575	ADAM -NCC-576
ADAM -NCC-577	ADAM -NCC-578	ADAM -NCC-579	ADAM -NCC-580
ADAM -NCC-581	ADAM -NCC-582	ADAM -NCC-583	ADAM -NCC-584
ADAM -NCC-585	ADAM -NCC-586	ADAM -NCC-587	ADAM -NCC-588
ADAM -NCC-589	ADAM -NCC-590	ADAM -NCC-591	ADAM -NCC-592
ADAM -NCC-593	ADAM -NCC-594	ADAM -NCC-595	ADAM -NCC-596
ADAM -NCC-597	ADAM -NCC-598	ADAM -NCC-599	ADAM -NCC-600

Tractor Beam Specifications

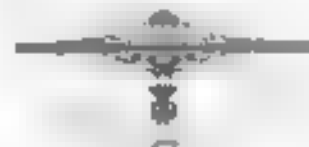
Primary Tractor Beam Load Calculator



CLASS SHIP, LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PRECEDED WITH "L.B.E."



Field Length: 478.44m
Field Width: 58.08m
Field Height: 78.88m



Front Warp Field Profile
Cross Section Area 8225.88 m²



Port Warp Field Profile
Cross Section Area 83718.0 m²



Top Warp Field Profile
Cross Section Area 47818.18 m²

FAST DESTROYER



General Information

Specific Role: The Fast Destroyer's design contains outstanding phaser power in a compact vessel. It was found that speed when compared to the Interceptor and it was compromised so that a slanted MegaPhaser pack could be installed above the impulse drive on a support strut. The primary use of the fast destroyer is extended long range military and patrol duty. During military activity the destroyer is used for assault where a fast light ship with overwhelming phaser firepower is needed. The vessel is equipped with extensive ECM equipment to help it survive. Due to the vessel's high power and small size it is agile and hard to target.

Physical Description: The (PH147 D-M2) primary hull is equipped with additional targeting sensors, hull reinforcements and a small hangar deck located on the upper starboard side. Integrated into the standard deflector grid are additional electronic counter-measures to make the vessel more stealthy. The vessel is also equipped with additional inertial compensating generators to help compensate for the vessel's exceptional agility. The primary hull is equipped with a B510 L-3 bridge incorporating a larger weapons and tracking section. On the lower part of the primary hull is the (SM49, 20) main sensor array and (DN1/3 A) navigational scope. Below the warp nacelles is the (SMF97B/2A) power neuron array. Above the impulse units, connected by a (D1/20-5A) support pylon, are the slanted (MP2, 15-25) MegaPhasers. Located on the port starboard and bow of the primary hull (both top and bottom) are six (BP2, 40-20) standard phaser banks. To the rear of the primary hull are (JP 86E/4 DN d) impulse units which are used for auxiliary power and sub light propulsion. The vessel's warp fields are generated by two (SW52, 1416) warp nacelles slanted together and mounted underneath the secondary hull by a (DN1/40-501) reinforced connecting dorsal. Inside the connecting dorsal are the (M2C, 10-25) intermix chamber and (AMB 36-4X) matter antimatter storage tanks. The storage tanks are located on the rear of the connecting dorsal for emergency jettisoning. Nested between the dorsal and the nacelles is a forward facing (FH2/25-10N) photon torpedo bay. In the event of a emergency the primary hull can separate from the warp nacelles. Once separated the primary hull can maneuver on impulse power for extended periods of time.

For additional detail refer to Datasheet MV 8

Class Emblem



Ship Silhouettes

Total Target Area 85838.34 m²
Average Target Area 8583.83 m²



Top Silhouette
Area 18168.34 m²



Port Silhouette
Area 8248.88 m²

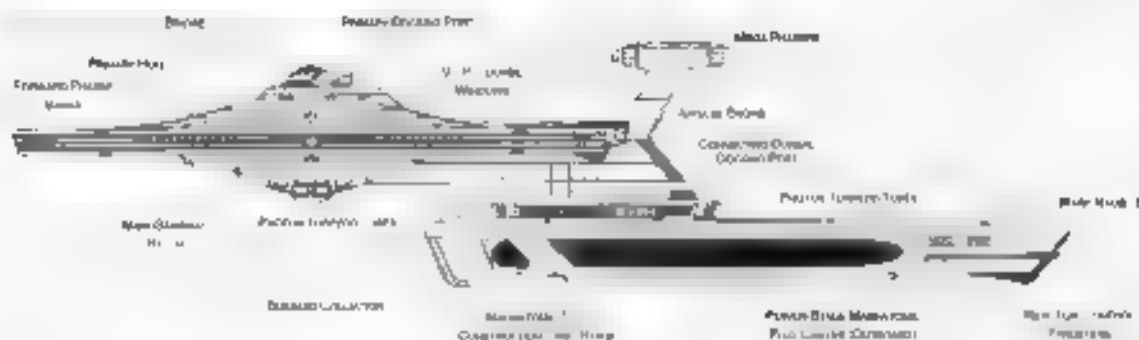


Front Silhouette
Area 8138.81 m²

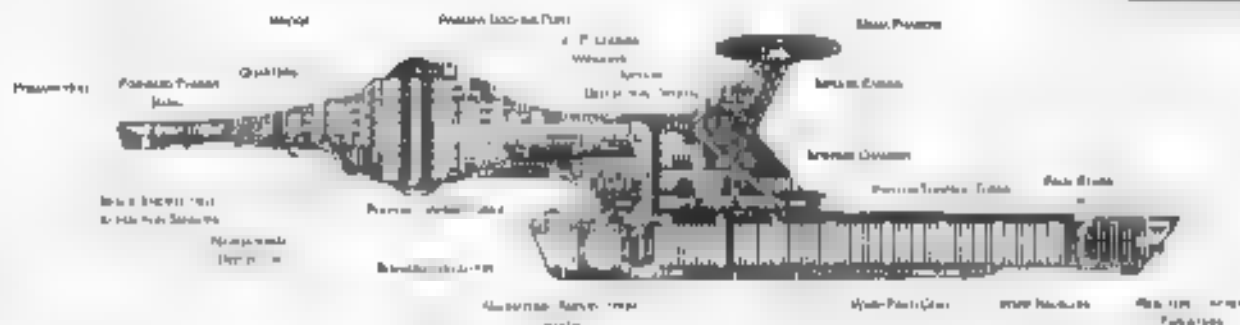
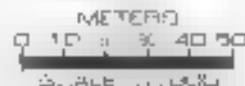


FAST DESTROYER

SWIFTER CLASS



PORT PROFILE



Statistics

Classification: Fast Destroyer

Category: Destroyer

Class: n/a

Type: n/a

Model: M11-XD1

Max. acceleration Capabilities: 1500

Number Produced: 47

Number Constructed: 26

Number in Service: 28

Number Lost: 0

Hyperdrive:

Overall Dimensions (Meters)

Length: 25.10 m

Width: 4.12 m

Height: 10.0 m

Primary Hull Dimensions (Meters)

Length: 14.5 m

Width: 4.12 m

Height: 3.94 m

Secondary Hull Dimensions (Meters)

Length: 4.0 m

Width: 1.4 m

Height: N/A

Warp Core Dimensions (Meters)

Length: 15.4 m

Width: 7.0 m

Height: 0.1 m

Displacement (Metric Tons)

Light: 29000 m

Standard: 38304 m

Full Load: 54393 m

Performance

Impulse Units Dual: 101000000

Impulse Engine Output: 3×10^{15} W

Impulse Power Index: 43

Max. Cruising:

Acceleration Rate

0.00-0.30 Impulse: 0.14 sec

0.30-0.60 Impulse: 0.2 sec

0.60-0.70 Impulse: 0.28 sec

0.70-7.00 Impulse: 0.35 sec

Warp Drive: Navicore hull (SV/S2/S-MRU)

Warp Engine Output: 2×10^{15} W

Warp Power Index: 43

Optimum Speed: 4

Max Safe Cruising: 7

Emergency Speed: 8

Max Speed: 11

Destroyer Speed: 9.8

Acceleration Power: 3

Acceleration Times:

Warp 1 Warp 2: 0.4 sec

Warp 2 Warp 3: 274 sec

Warp 3 Warp 4: 0.04 sec

Warp 4 Warp 5: 7.8 sec

Warp 5 Warp 6: 40.1 sec

Warp 6 Warp 7: 40.1 sec

Warp 7 Warp 8: 102 sec

Warp 8 Warp 9: 420 sec

Warp 9 Warp 10: 5.74 sec

Warp 10 Warp 11: 8.85 sec

Warp 11 Warp 12: 3.02 sec

Duration (Years)

Standard: 4 Years

Maximum: 10 Years

CCD Ridge Complement: 344

Officers: 4

Crew (Design Grade): 277

Troops: 10

Passengers: 25

Emergency condition: +58

Medical Facilities:

Doctors: 3

Medical Staff:

Operating Rooms: 2

Beds: 16

Laboratories: 6

Transporters Total: 8

1 Person:

2 Persons: 0

3 Persons: 3

12 Persons: 0

22 Persons: 3

Small Cargo: 1

Medium Cargo:

Large Cargo: 0

Super Cargo: 0

Bridge: 1

Replimates:

Travel System:

Top capacity: 48x10⁶ m

Max Range: 7x10⁶ m

Cargo Specifications:

Standard Cargo Units: 161

Cargo Capacity: 1700 m

Shuttlecraft Specifications:

Shuttlecraft Bay Total: 1

Small Bay:

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 15

Work Deck:

Travel Pods: 1

Aggravation Shuttle:

Light Shuttle: 0

Standard Shuttle: 1

Heavy Shuttle:

Cargo Shuttle:

Assault Shuttle:

Elite: 000: 2

Light Fighter: 2

Fighter:

Heavy Fighter: 2

Lifboats: 13

Yacht (10 person): 7

Lifboat (10 person): 0

Lifboat (30 person): 5

Lifboat (150 person): 0

Cloaking Devices: 0

Secure Index Values:

Planetary Survey: 17

Stellar Survey: 1

Short Range: 13

Long Range: 12

Navigation: 37

Special: 02

Designation: 7

Type: Dystopian Destructive -112

Type: Dystopian Destructive 4.1

ECM Index: 7

Shield Rating:

Shield Index: 14

Shield Power: 2.5×10^{14} W

Shield Rate: 1.7x10¹¹ W

Shield Capacity: 1.7x10¹¹ W

Shield Dimensions (Meters)

Length: 370 m

Width: 2.6 m

Height: 8.1 m

Weapons:

Phaser Power Index: 7.5

Photon Power Index: 7.5

Vessel Power Index: 7.5

Weapon Placement:

Beam (Phaser) Total: 8 banks 2 each

Output: 8x10¹⁴ W 2x10¹⁴ W

Range: 7.5x10⁶ m

Rate of Fire: 30 per Cent

Forward Banks: 2

Star Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (Megaphaser) Total: 2

Output: 8x10¹⁴ W 2x10¹⁴ W

Range: 1x10⁶ m

Rate of Fire: 15 ppm

Forward/Star Banks: 2

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Phaser) Total: 4 Banks

Stock: 30

Range: 7x10⁶ m

Output: 10-50 MT

Rate of Fire: 10 ppm

Forward Bay:

Star Bay: 0

Port Bay: 0

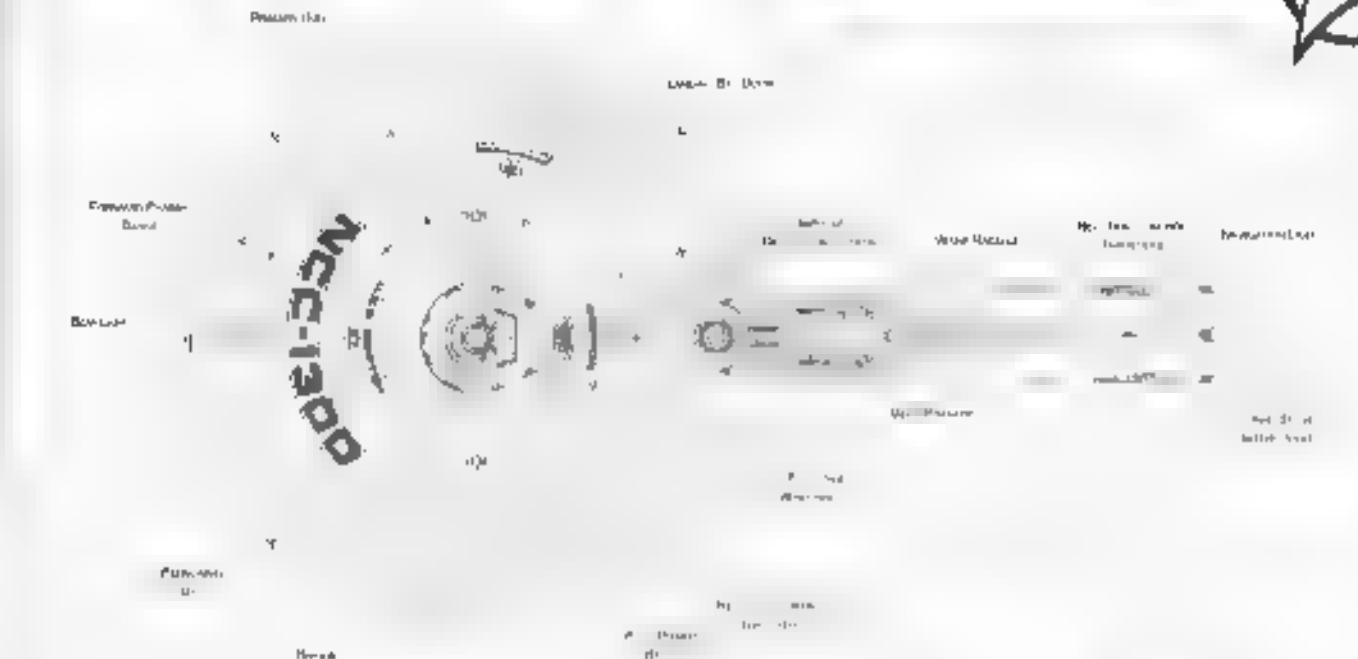
Starboard Bay: 0

Upper Bay: 0

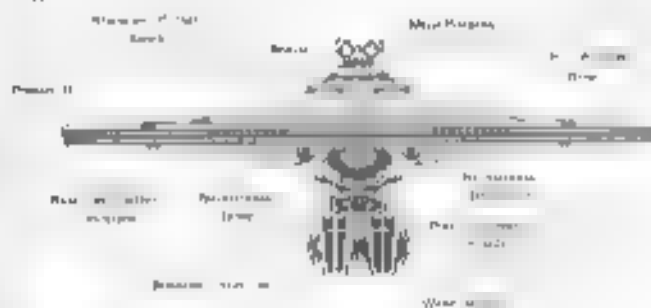
Lower Bay: 0

FEDERATION VESSEL

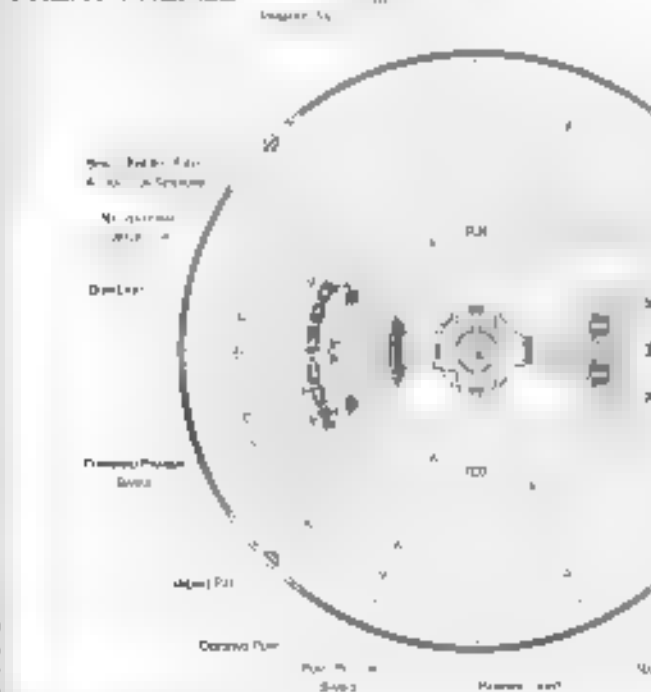
FAST DESTROYER



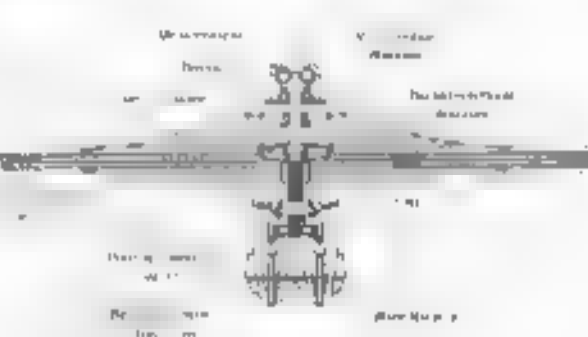
TOP PROFILE



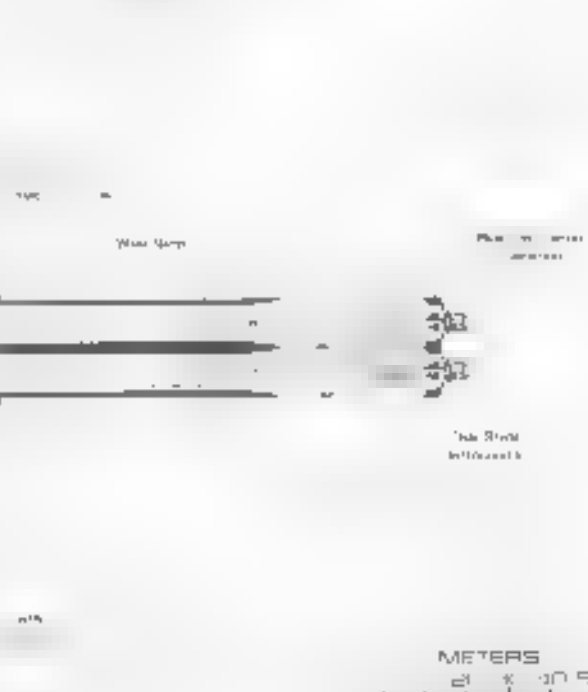
FRONT PROFILE



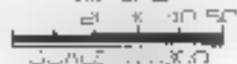
BOTTOM PROFILE



REAR PROFILE



METERS





FAST DESTROYER

Ship Names

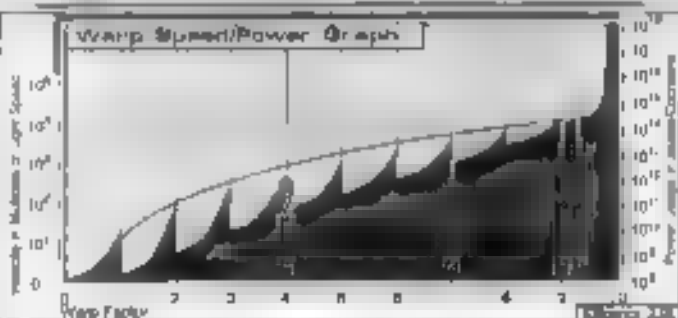
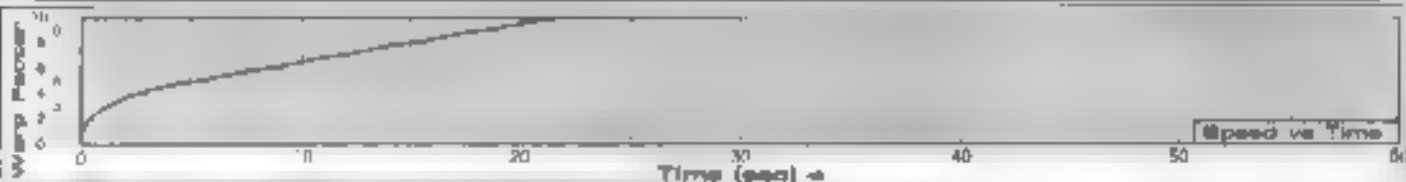
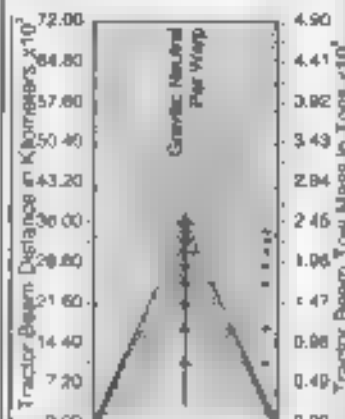
THE FOLLOWING SHIPS OF THE MK XIIa CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2271.0

MEINER -NCC 337	BOYD -NCL 313
WISIN -NCC 328	CHUB -NCL 306
PASCHA -NCC 1002	GUFF -NCC 332
ST. E -NCC 325	DIMBOW -NCC 114
RI -NCC 300	LALE -NCL 1023
SALINDERS -NCC 1301	EDSTROM -NCC 1300
SAHEER -NCC 306	EUGH -NCL 41
SLINNY -NCC 331	ELTING -NCC 343
WHAIRY -NCL 324	GAKE -NCC 30
SWXYTHMY -NCC 1303	DAYONG -NCC 138
STICE -NCC 120	CHIAN -NCC 318
SWIFTEY -NCC 300	HIGDON -NCC 310
HE -NCL 331	HOUSTON -NCC 1304
WISIN -NCC 318	KATHIN -NCL 322
W. SCHINE -NCC 140	KALAVAN -NCC 32
W. AMSDY -NCC 330	KALFER -NCC 1318
IK -NCC 31	MAHES -NCC 309
WIKI -NCC 12	MORRIS -NCC 334
W. GALT -NCC 129	MW -NCC 341
ALHMAN -NCC 3	
ALHMAN -NCC 335	
DAIN -NCC 3	
DAIN -NCC 342	
HANSMAN -NCC 338	
HEALTH -NCC 308	

"CLASS 22P. LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PRECEDED WITH "S.B.B."

Traction Beam Specifications

Primary Traction Beam Load Calculator



Field Length 884.27m
Field Width 104.38m
Field Height 78.11m



Front Warp Field Profile
Cross Section Area 18085.8 m²



Port Warp Field Profile
Cross Section Area 28823.88 m²



Top Warp Field Profile
Cross Section Area 57804.38 m²

SWIFTEY CLASS

FEDERATION VESSEL

HEAVY DESTROYER

General Information



Specific Role: After extensive research, starship designers found that a Heavy Destroyer was needed to fill the gap between destroyers and dreadnoughts. The secondary hull is connected directly to the primary hull to reduce the craft's silhouette. Integrated throughout the vessel are more powerful shields, sensors and extensive ECM equipment to help it survive. The primary use of the Heavy Destroyer is extended long range military and patrol duty. During military operations, the destroyer is used for main-line defense and as a perimeter holding ship.

Physical Description: The Heavy Destroyers PL 471 M50 primary hull is equipped with additional targeting sensors, hull reinforcements and a small hangar bay located on the upper starboard side. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The primary hull is equipped with the (HS16/273) tactical bridge which coordinates a larger weapons network going as far as the lower part of the primary hull to the (SM46/25) main sensor array and (EN4/711) navigational deflector located on the port starboard and bow of the primary hull. Top and bottom are six (32/302) phaser banks. To the rear of the secondary hull are two (32/302) phaser banks. On the underside of the secondary hull are two additional (SP2/30/20) phaser banks located on either side of the primary hull are the (M15/20) MegaPhasers. The vessel is equipped with a (PB2/25/10E) photon torpedo bay mounted below the secondary hull. To the rear of the primary hull are (M6/514) data impulse tanks which are used for auxiliary power and sub light propulsion. The vessel is also equipped with additional deflector generators to compensate for increased maneuvering capabilities. The vessel's weapons are generated by two (SW52/500) warp nacelles attached to the secondary hull by (L/50/86) support struts. Mounted directly below the primary hull is the (SL1/7/3 M1) secondary hull. The front of the secondary hull contains a (DN2/15/3) navigational deflector nacelle. The navigational deflector deflecting nacelle is located inside the secondary hull. The (M26/6/2) intercom chamber and (AM8/36/4P) matter/antimatter storage tank which are easily accessed in case of an emergency. In the event of an emergency the primary and secondary hulls are separate leaving the secondary hull intact. Only repairs on the primary hull can be done as impulse power for excursions on the

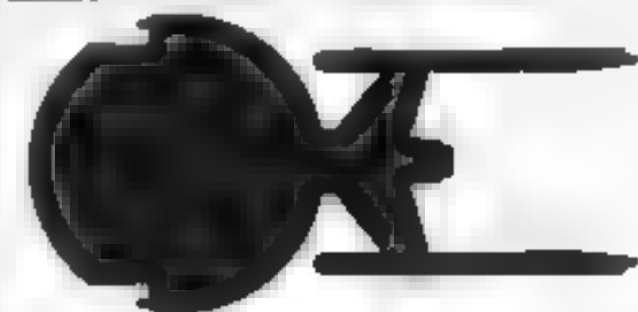
For additional details refer to Dauntless MV 2

Class Emblem



Ship Silhouettes

Total Target Area 21775.8 m²
Average Target Area 10887.9 m²



Top Silhouette
Area 8907.70 m²

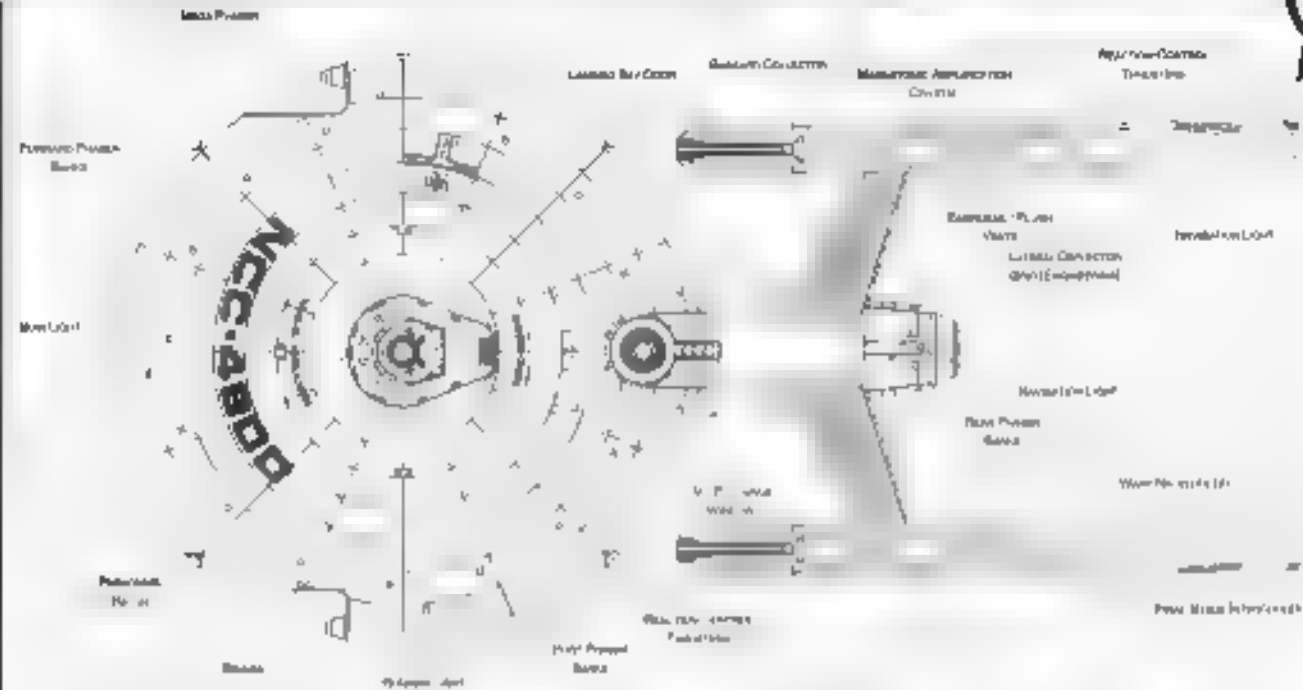


Port Silhouette
Area 7192.47 m²

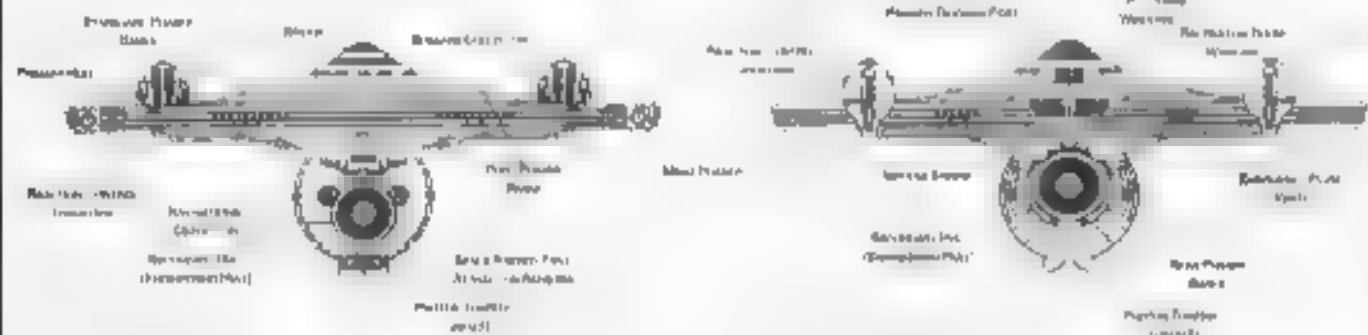


Front Silhouette
Area 2878.23 m²

HEAVY DESTROYER

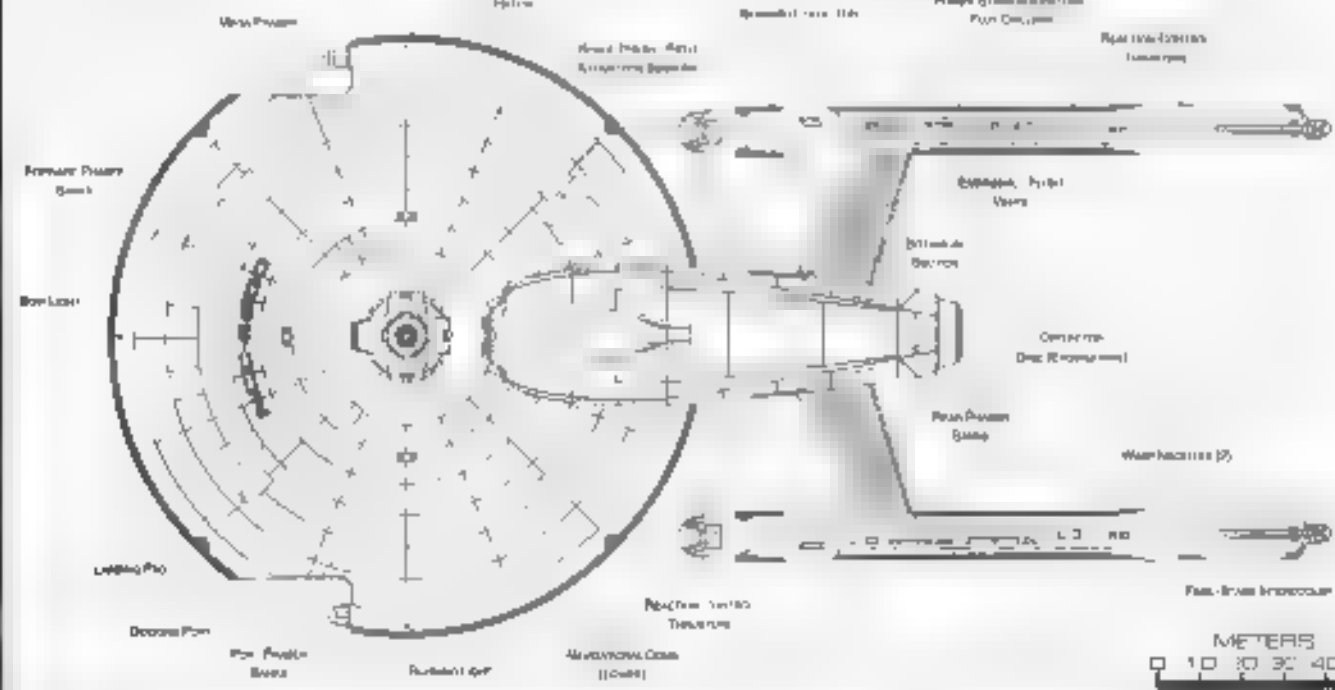


TOP PROFILE

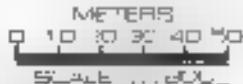


FRONT PROFILE

REAR PROFILE



BOTTOM PROFILE





Ship Names

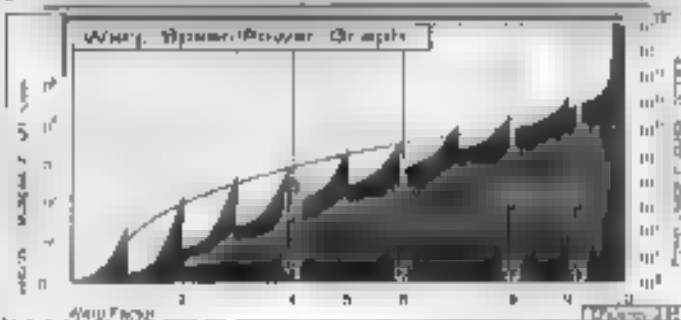
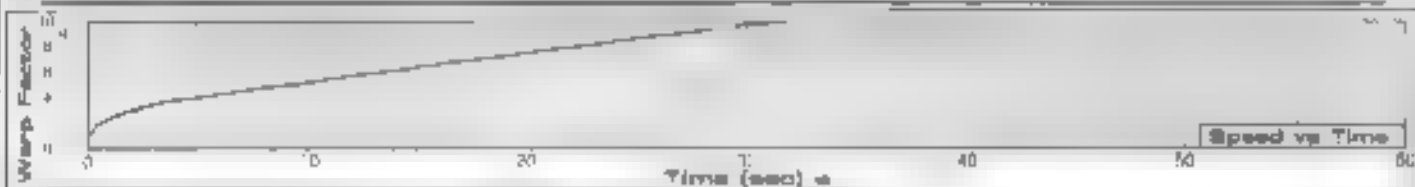
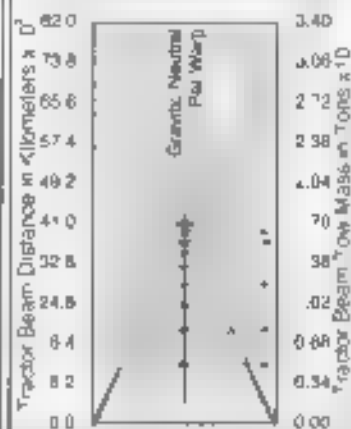
THE FOLLOWING SHIPS OF THE MK IV CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2270.9

6, RA, IN	NL	4928	PRESTWICH	NL	4969	
HABIXEN	NI	4913	RASDALE	NOC	4922	
BI	NI	48	RAW	NL	4925	
HAVEZ	NL	4950	REIN PA	NOC	4928	
WIT	NOC	49	ROBERTSON	NOC	4908	
"	NOC	4933	ROXANI	NI	4948	
WIKERON	NL	491	SA	NL	49	
A	FR	4905	S	PA	4911	
A	FR	NI	49	T	PER	NI
A	NI	4948	VALDEN	NL	492	
A	NI	4925	WATLIN	NL	4923	
P	NI	4911	ZWAPAC	NI	4909	
WILSON	NL	4924				
W	NL	49				
WIL	NI	4902				
WYND	NL	4901				
X	NI	49				
WYND	NL	4911				
WYND	NI	4907				
W	NI	49				
WYND	NL	4915				
WYND	NL	491				
WYND	NL	4911				
WYND	NI	49				
WYND	NI	4914				

CLARK MUR. 'LOST IN THE LINE OF DUTY.' PROPOSED. ALL NAMES PRECEDED WITH 'U.S.M.'.

Tractor Beam Specifications

Primary Factor Beam Load Calculator



Pauline K. Wright	信託部長 (4年)
Pauline Wright	7月 退職
Pauline Wright	8月 退職



Front Warp Field Profile
Gross Section Area 11502.83 m²

Port Warp Field Profile
Cross Section Area 80827.59 m²

Top Warp Field Profile
Cross Section Area 88255.43 m²

INTERCEPTOR



General Information

Specific Role: The Interceptor has maximized warp efficiency and is designed to pursue and intercept enemy craft. The warp nacelles are located side by side giving the Interceptor a long slender warp field for increased efficiency. The primary weapons on the Interceptor are four forward mounted and two rear mounted photon torpedoes. The use of a rear mounted photon torpedo bay allows the Interceptor to also retreat fully capable of defending itself. The Interceptor was equipped with torpedoes since standard phasers and megaphasers draw power directly from the engines. The vessel is furnished with extensive ECM equipment to help it survive. Due to the vessel's high power and small size, it is agile and hard to target.

Physical Description: The PH 47/D-M6 primary hull is equipped with additional targeting sensors, hull reinforcements and a small hangar deck located on the upper starboard side. Integrated into the standard deflector grid are additional electronic counter-measures to make the vessel more stealthy. The primary hull is equipped with a PH51 D-P1 tactical bridge which incorporates the target weapons and tracking station. On the lower part of the primary hull is the (SM-49.3V) main sensor array and (DN-72) navigational dome. Located on the port starboard and bow of the primary hull both top and bottom are six B'2 30-20 phaser banks. To the rear of the primary hull are the (JP-86F/4-P1) dual impulse engines which are used for auxiliary power and sub light propulsion. The vessel's warp fields are generated by two (SW52) dual warp nacelles slanted together and mounted underneath the secondary hull by a (FL-60-56V) reinforced connecting dorsal. The vessel is also equipped with six inertial dampeners to compensate for increased maneuvering capabilities. Inside the dorsal are the (M2C-0-2F) trunk chamber and (AMH-16-41) matter/antimatter storage tanks. The storage tanks are located in the rear of the connecting dorsal for emergency refueling. Nestled between the dorsal and the nacelles is a forward facing (PD2/25-0V) photon torpedo bay. Below the warp nacelles is a (B4-50-20K) photon torpedo bay which is able to fire both forward and backward. In the event of an emergency the primary hull can separate from the warp nacelle section. Once separated, the primary hull can maneuver on impulse power for extended periods of time.

For additional details refer to DataSheet MV 8

Class Emblem



Ship Silhouettes

Total Target Area 85836.88 m²
Average Target Area 8546.88 m²



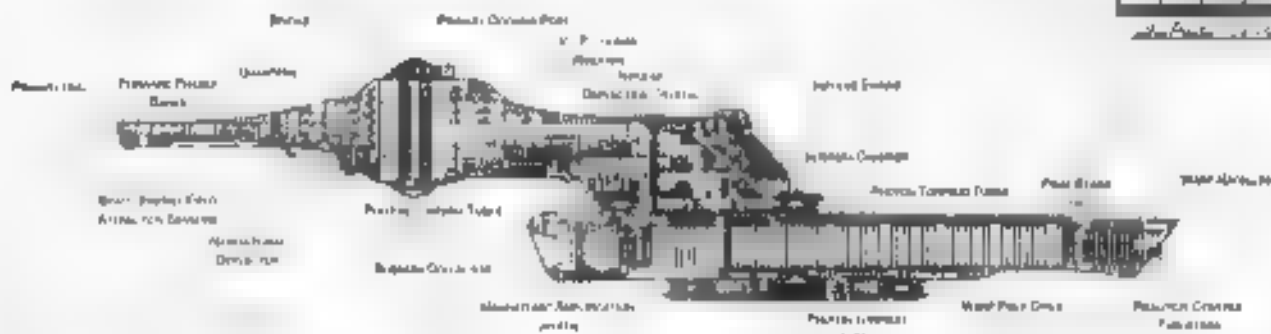
Top Silhouette
Area 18185.24 m²



Port Silhouette
Area 8319.81 m²



Front Silhouette
Area 8181.81 m²



CROSS SECTION

Statistics

[illegible]

Weapon:
Phosor Power Index: 0.07
Phosor Power Index: 4.74
Vessel Power Index: 4.00

Weapon Placement:
Beam (Phosor) Total: 4 Banks 0 each
Outpost: 50 D¹ W 2 E 10¹ W
Range: 2 x 10⁴ km
Rate of Fire: 30 pps/Con
Forward Banks: 2
Star Banks: 0
Port Banks: 2
Starboard Banks: 2
Upper Banks: 0
Lower Banks: 0

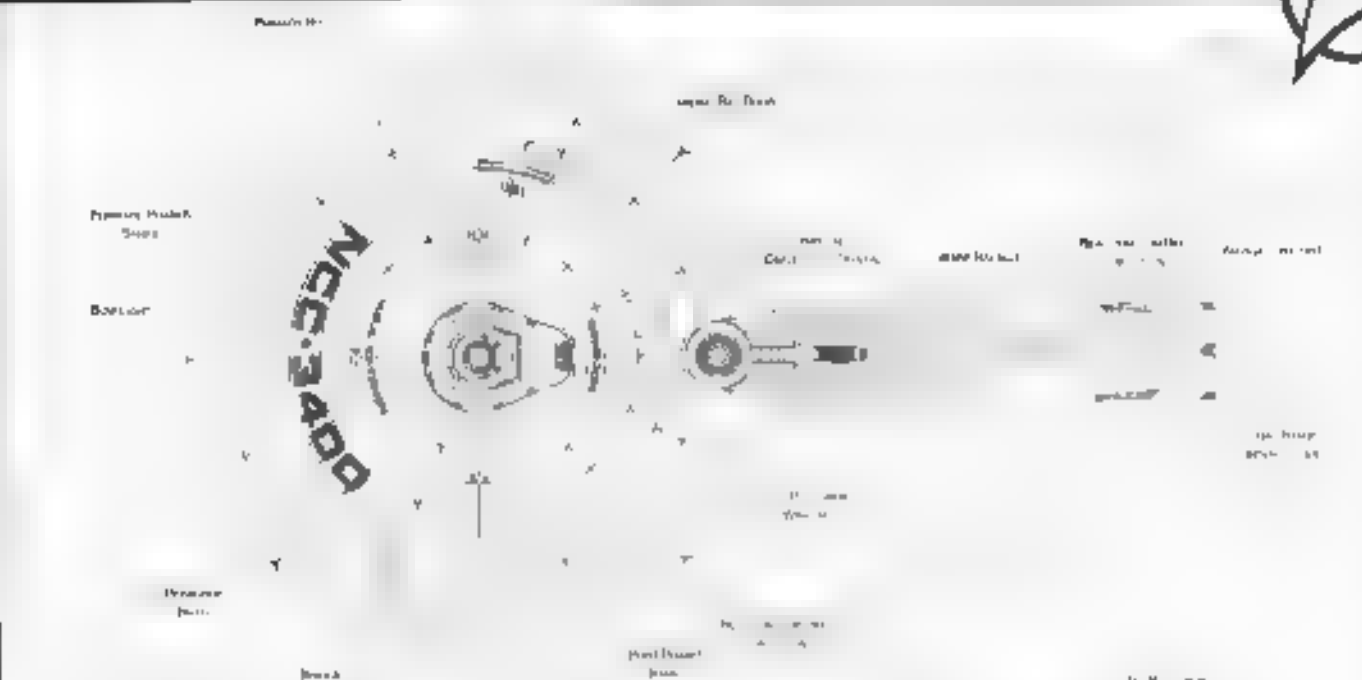
Beam (MegaPhosor) Total: 0
Outpost: N/A
Range: N/A
Rate of Fire: N/A
Forward/Rear Banks: 0
Port/Starboard Banks: 0
Upper/Lower Banks: 0

Torpedoes (Phosor) Total: 3 Bays
Block: 50
Range: 2 x 10⁴ km
Outpost: 10-50 MT
Rate of Fire: 10 pps
Forward Bay: 2
Star Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

```

Cleaning Devices: 0
Scanner Index Value:
Flare Duty Survey: 3
Stellar Survey
Short Range: 33
Long Range: 12
Navigation: 32
Special: 88
Computers: 7
Type: Daystrom Electronics 414
Type: Daystrom Electronics 1-8

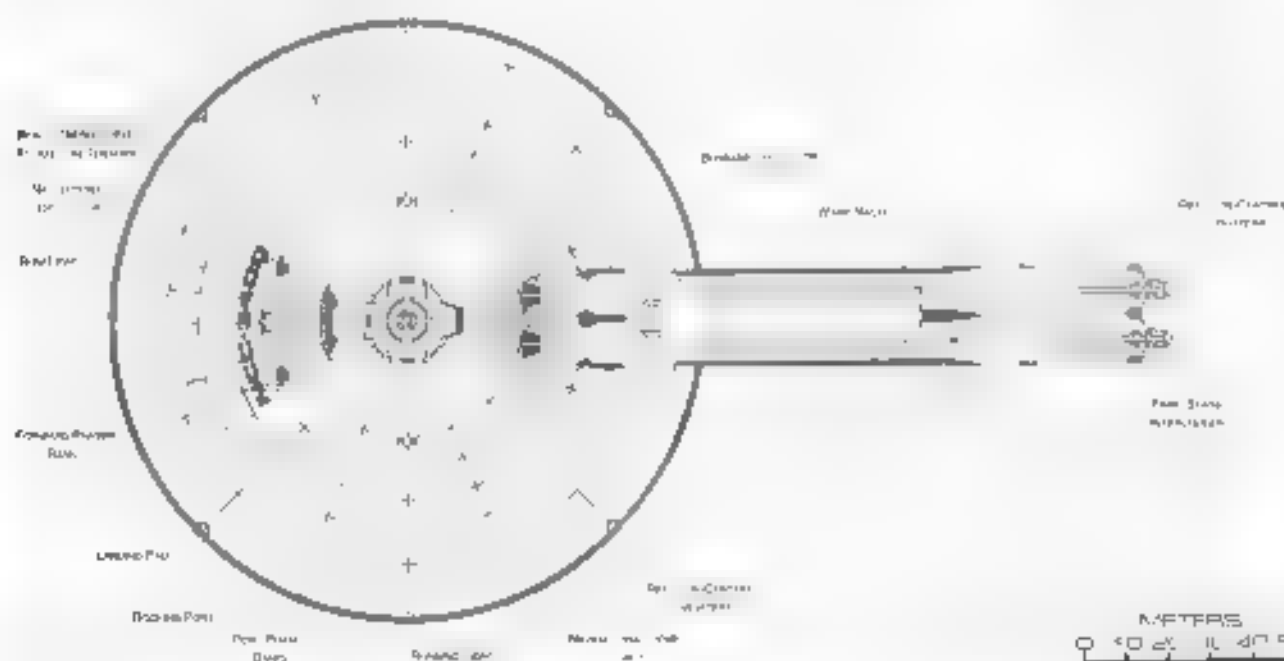
```



TOP PROFILE



FRONT PROFILE



BOTTOM PROFILE



Ship Names

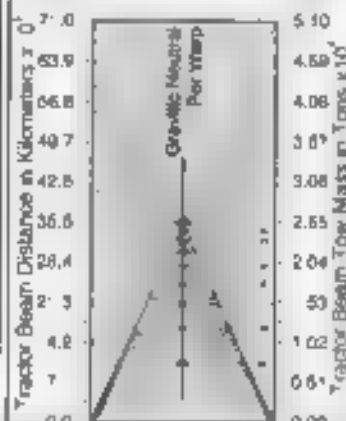
THE FOLLOWING SHIPS OF THE MK-11 CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2870 10

ZAMAKU NI 3410
 AL TRIDER NCC 3438"
 BENJER AOC 3402
 IN NI NCC 1430"
 BRANT NCC 3405
 BURREL NCC 3406
 CA 1434 NI 3400
 AOC 3410 NCC 3408
 "MUMBERA NCC 3408
 DARDIN NCC 34
 DEIN NCC 34
 ADRIAN NI 3404
 NI NCC 1438
 C OR NCC 3430"
 3404 NCC 3406
 NI 1438 NCC 3410
 ADRIAN NI 3402
 NOUPES NCC 3407
 TOI NCC 34
 1438 NI 3426
 ARI NI 3420"
 ARKUTER NI 3424"
 A NI NI 344
 LNI NCC 3424
 MARK DEAM NCC 3408
 MAYNARD NCC 3416
 AUSSAU NCC 3427
 ONICA SIM NI 3438"
 OR MAN NCC 3402
 REEDER AOC 3423"
 PRADUNAN NI 3431
 PP IN NI NCC 3423
 RI IN NI NCC 3438
 RI 3438 NCC 3438
 RUS ER NCC 3438
 RUM NI NCC 3438
 SWANI NCC 3410
 TARMAN NI 3420
 WOLFWALT NCC 3410
 WOLFWALT NI 3438"
 XERN NI AOC 3400"

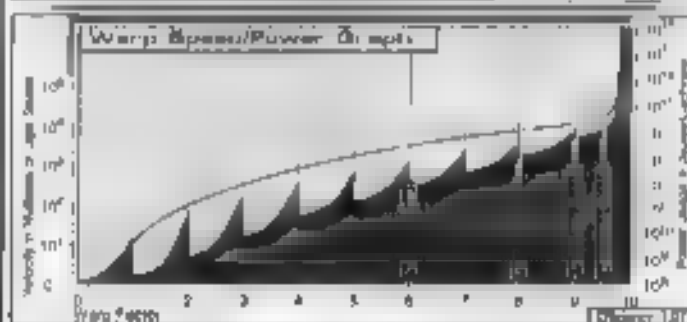
'SLASH SHIP, 'LOST IN THE LINE OF DUTY. 'PROPOSED. ALL NAMES PREFIXED WITH S.L.S.S.'

Tractor Beam Specifications

Primary T-beam Load Calculator



CATCHON CLASS



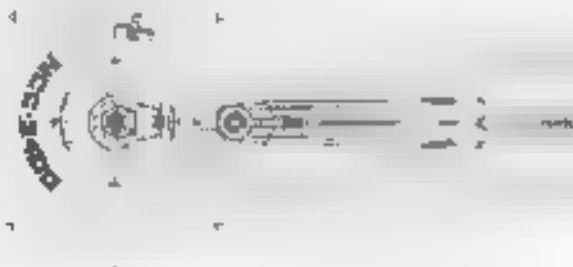
Physical Characteristics: 6'4", 220 lbs.
Physical Attributes: 100% Muscle, 0% Fat
Physical Measurements: 100% Muscle, 0% Fat



Front Warp Field Profile
Cross Section Area 5305.50 m²



Pore Warp Field Profile
Cross Section Area 20000.00 m²



Top Warp Field Profile
Cross Section Area 50136.85 m²

FEDERATION VESSEL

LIGHT DESTROYER

General Information



Basic Role: The Light Destroyer is a swift, powerful, most effective starship used for patrols, surveillance and Federation defense. The primary mission of the light destroyer is patrol duty along various treaty zones. During military operations, the light destroyer is used for assault missions and perimeter defense for the larger capital ships. The light destroyer is also used to escort civilian ships through troubled regions. The vessel is equipped with extensive ECM equipment to help survive. The vessel's small size makes it both swift and hard to target.

Physical Description: The destroyer (PH147/W 1/2) primary hull is reinforced and equipped with supplemental targeting sensors and a small hangar deck located on the port side. Integrated into the standard deflector grid are additional electronic and/or measures to make the vessel more stealthy. The primary hull is also equipped with a (DSK 1/T) tactical bridge which incorporates a large weapons and tracking station. On the lower part of the primary hull is the (SM49/2) main sensor array and (M 1/2) navigation dome. Located port starboard and forward from the top and bottom of the primary hull are (F 2/10/20) phaser banks. To the rear of the primary hull are (H 1465/2 IN) cold impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated via single (SW1/2) WPA warp nacelle mounted underneath the sensor array and by a (L 2/12Y) ionizing dorsal impulse dorsal are the (M 5/1/15) intermix chamber and (AMB 1/2) matter/antimatter storage tanks. The storage tanks are located at the rear of the primary hull dorsal for emergency jet burning. Scattered between the dorsal of the nacelle is a forward facing (H152/25 1/1) photon torpedo bay. In the event of an emergency the primary hull can separate from the warp nacelle section. Once separated, the primary hull can maneuver on auxiliary power for extended periods of time.

For additional detail refer to Data sheet MV 25

Class Emblem



LYNCH CLASS
LIGHT DESTROYER

Ship Silhouettes

Total Target Area 17880.08 m²
Average Target Area 5960.03 m²



Top Silhouette
Area 1307.64 m²



Port Silhouette
Area 4827.78 m²



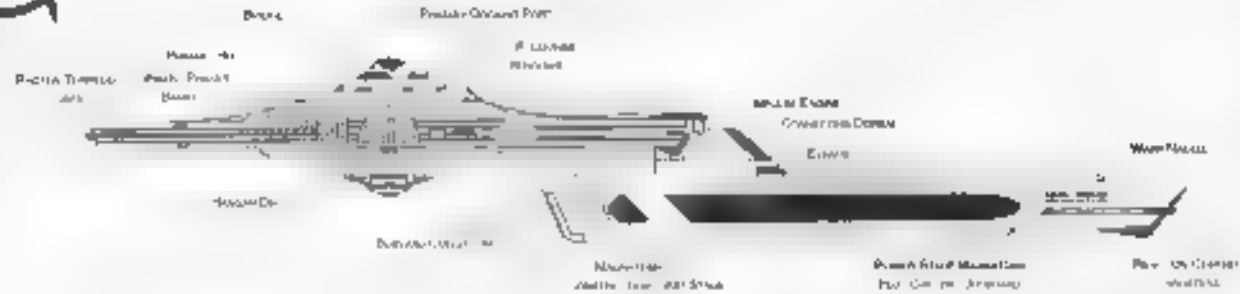
Front Silhouette
Area 784.63 m²



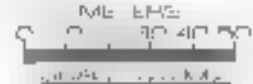
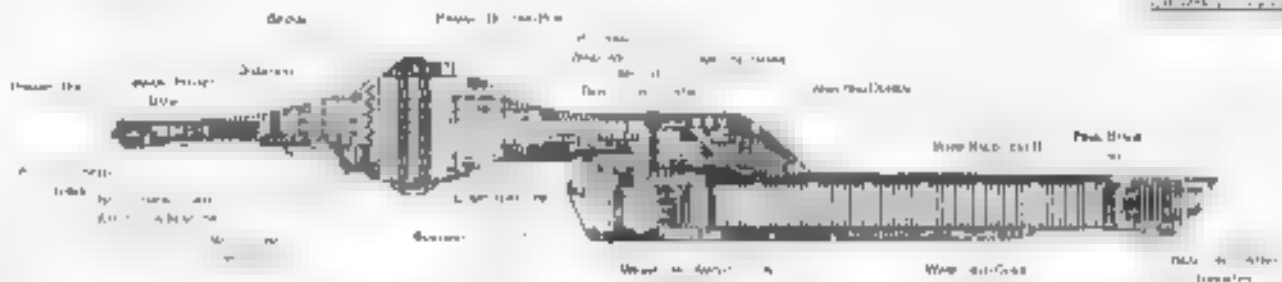
LIGHT DESTROYER

LYNCH CLASS

FEDERATION VESSEL



PORT PROFILE



CROSS SECTION

Statistics

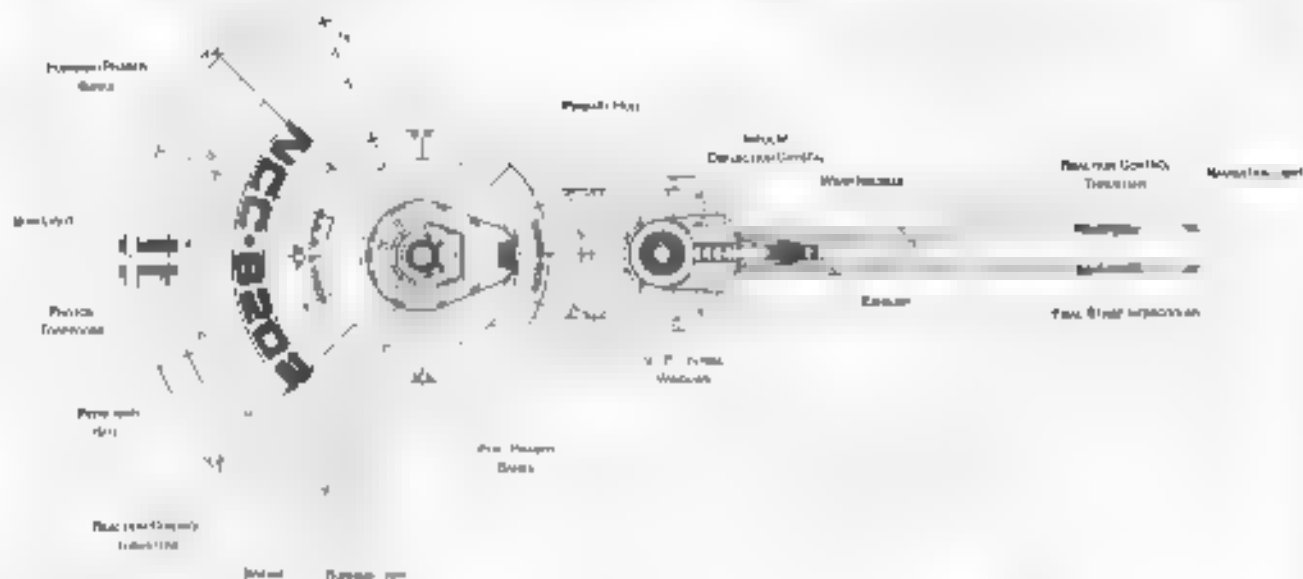
Classification: 401 Destroyer
Category: Destroyer
Role: 01
Type: 1000
Model: 401, 402, 403
Raid Construction Cost: 1000
Number Produced: 10
Number in Service: 10
Number Lost: 0
Dimensions:
Overall Dimensions (Meters):
 Length: 140 m
 Width: 12 m
 Height: 14 m
Primary Hull Dimensions (Meters):
 Length: 140 m
 Width: 12 m
 Height: 14 m
Secondary Hull Dimensions (Meters):
 Length: 140 m
 Width: 12 m
 Height: 14 m
Warp Light Dimensions (Meters):
 Length: 140 m
 Width: 12 m
 Height: 14 m
Displacement (Metric Tons):
 Light: 3500 m
 Standard: 4000 m
 Full Load: 4500 m
Performance:
 Impulse Units: 1000
 Impulse Engine Output: 8x10¹⁰ W
 Impulse Power Index: 2.5
 Max Cruising:
 Acceleration Rate:
 0.00-0.25 Impulse: 0.000 sec
 0.25-0.50 Impulse: 0.000 sec
 0.50-0.75 Impulse: 0.000 sec
 0.75-Full Impulse: 0.000 sec
 Warp Coils: 2 (4x10¹⁰ W) (S/W 211-SRA)
 Warp Engine Output: 4x10¹⁰ W
 Warp Power Index: 10

Optimum Speed: 4
Max Safe Cruising: 4
Emergency Speed: 100
Max Speed: 10
Deployment Speed: 0.25
Acceleration: 1000
Acceleration Times:
 Warp 1: 1000 sec
 Warp 2: 1000 sec
 Warp 3: 1000 sec
 Warp 4: 1000 sec
 Warp 5: 1000 sec
 Warp 6: 1000 sec
 Warp 7: 1000 sec
 Warp 8: 1000 sec
 Warp 9: 1000 sec
 Warp 10: 1000 sec
Duration (Years):
 Standard: 4 Years
 Maximum: 10 Years
and Ship Complement: 320
 Officers: 2
 Crew (Ensign Grade): 20
 Troops: 2
 Passengers: 70
Emergency conditions: 42
Medical Facilities:
 Doctors: 2
Medical Staff: 2
 Operating Room: 2
 Beds: 5
Laboratories: 4
Transporters Total: 2
 Person: 1
 8 Person: 1
 8 Person: 3
 12 Person: 1
 32 Person: 2
 Small Cargo: 1
 Medium Cargo: 1
 Large Cargo: 1
 Super Cargo: 1

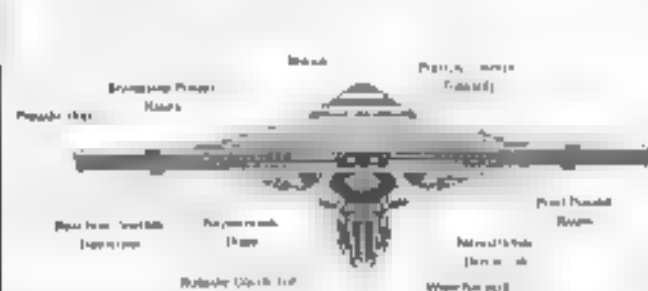
Bridge:
Rayguns:
Tractor Beams:
 Two Capacity: 1000 m
Max Range: 1000 m
Cargo Specifications:
 Standard Large Units: 100
 Cargo Capacity: 1000
Structural Specifications:
 Docking Ports: 2
Shielding:
 Shielding Bay Total:
 Small Bay
 Medium Bay
 Large Bay
 Super Bay
Shielding Standard: 10
Work Area:
 Travel Pods:
 Aquatic Shuttle:
 Light Shuttle: 2
 Standard Shuttle:
 Heavy Shuttle: 1
 Large Shuttle:
 Assault Shuttle:
 Heavy Shuttle:
 Light Shuttle: 2
 Fighter: 2
 Heavy Fighter: 2
 Missile: 1
 Turbocraft (8 person):
 Lifboat (0 person): 2
 Lifboat (10 person): 1
 Lifboat (10 person): 1
Checking Devices: 1
Sensor Index Values:
 Planetary Survey: 31
 Stellar Survey:
 Short Range: 33
 Long Range: 2
 Navigation: 3
 Special: 33
Computers: 2
 Type: Daystrom Dectronic III
 Type: Daystrom Dectronic 1-1

RTM Index: 10
Shield Rating:
 Shield Index: 10
 Shield Power: 4x10¹⁰ W
 Shield Rate: 1000 W
 Shielddown Rate: 4x10¹⁰ W
 Shield Protection (Meters):
 Length: 140 m
 Width: 12 m
 Height: 14 m
Weapons:
 Phase Power Index: 10
 Phase Power Index: 10
 Torpedo Power Index: 10
Weapon Placement:
 Beam (Phase) Total: 10
 Output: 1000 W
 Range: 1000 m
 Rate of Fire: 1000
 Forward Banks: 2
 Rear Banks: 1
 Port Banks: 2
 Starboard Banks: 2
 Upper Banks: 1
 Lower Banks: 1
Beam (MegaPhase) Total: 10
 Output: 1000 W
 Range: 1000 m
 Rate of Fire: 1000
 Forward/Rear Banks: 1
 Port/Starboard Banks: 1
 Upper/Lower Banks: 1
Torpedoes (Phase) Total: 2 Rays
 Back: 10
 Range: 1000 m
 Output: 1000 W
 Rate of Fire: 1000
 Forward Bay:
 Rear Bay: 1
 Port Bay: 1
 Starboard Bay: 1
 Upper Bay: 1
 Lower Bay: 1

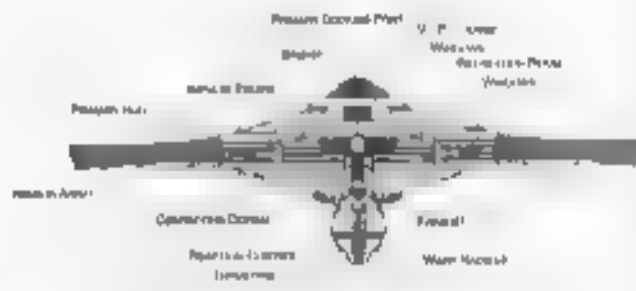
LIGHT DESTROYER



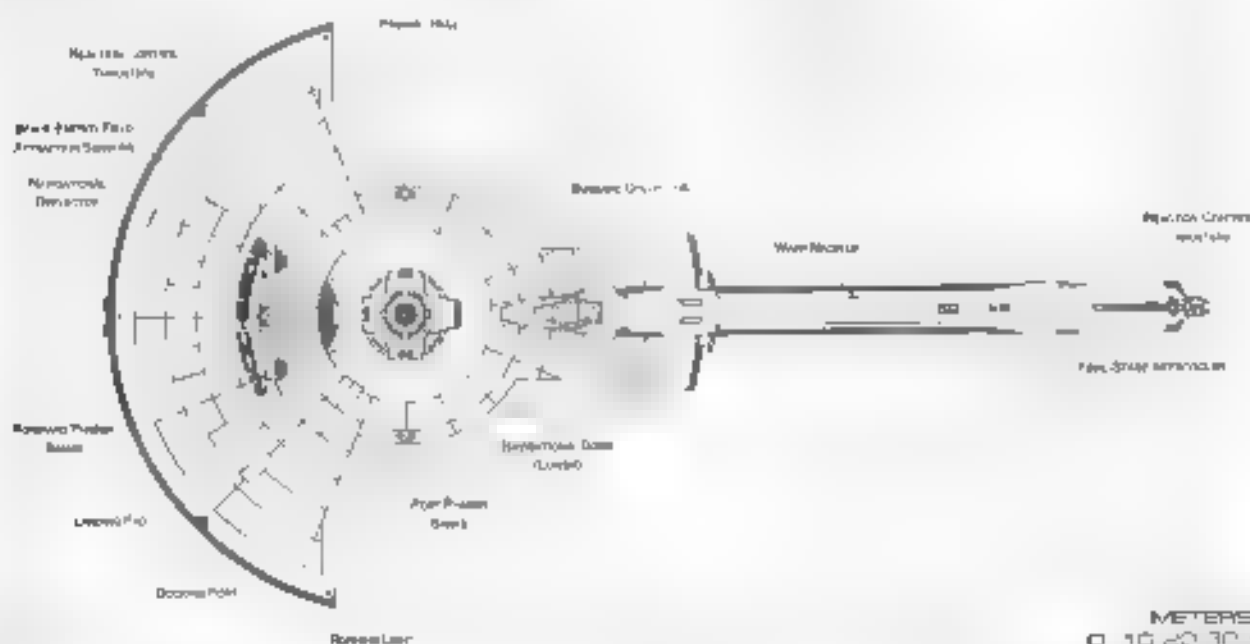
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:800



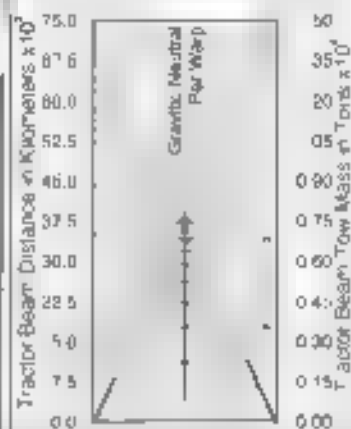
Ship Names

THE FOLLOWING SHIPS OF THE MK XXXVII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2255.10

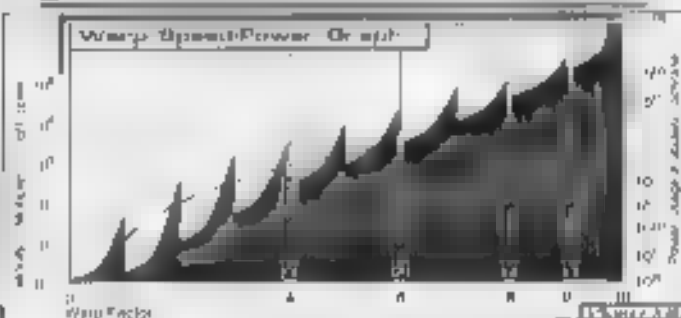
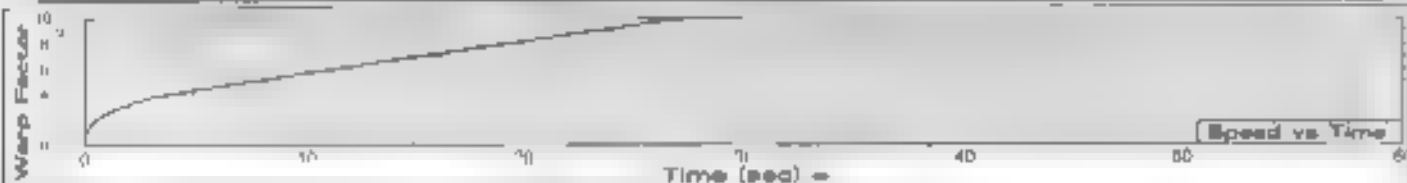
WELLES MCC 8270
WELLES MC 8200
WELLES MC 8200
ZEPHYRUS MC 823
ZEPHYRUS MC 8250
ZEPHYRUS MC 8250
ZEPHYRUS MC 8250

Tractor Beam Specifications

Primary Yacht Beam Load Calculator



CLANG SHIP. LOST IN THE LINE OF DUTY. "PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."



Field Length: 606.3mm
Field Width: 60.3mm
Field Height: 88.4mm



Front Warp Field Profile
Gross Section Area 7783.61 m²

Port Warp Field Profile
Cross Section Area 21444.37 m²

Top Warp Field Profile
Cross Section Area 47188.27 m²

LONG RANGE DESTROYER



General Information

Specific Role: The Long Range Destroyer's design contains outstanding phaser power in a long range compact vessel. It was determined that there was the need for a long range destroyer to cover the expanses of the Federation Territory. The primary use of the long range destroyer is extended long range military and patrol duty. During military activity the destroyer is used for assault where a fast light ship with overwhelming phaser firepower is needed. The vessel is equipped with extensive ECM equipment to help it survive. Due to the vessel's high power and small size it is agile and hard to target.

Physical Description: The (PH147/W M2) primary hull is equipped with additional targeting sensors, hull reinforcements and a small hangar deck located on the upper starboard side. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The vessel is also equipped with additional inertia dampening generators to help compensate for the vessel's exceptional agility. The primary hull is equipped with a (B5 O/A T3) bridge incorporating a larger weapons and tracking station. On the lower part of the primary hull is the (SM43/2) main sensor array and (ON1/3 B) navigational home. Below the main hull is the (SM97H 2A) lower sensor array. Additional out-ries on either side of the primary hull are the (MF1 5 2) MegaPhasers located on the port side and row of the primary hull. (Port, top and bottom) are six (F42 40 2C) standard phaser banks. At the rear of the primary hull are (P148P/4) dual of impulse engines which are used for auxiliary power and sublight propulsion. The vessel's warp fields are generated by two (SW52 1 41C) warp nacelles located to either side of the photon torpedo tubes mounted underneath the secondary hull by a (D1 42 25F) sensor ed connecting dorsal. Inside the connecting dorsal are the (M20/9 2H) tri-trunk chamber and (AMH 42 4Y) matter/damper storage tanks. The storage tanks are located on the rear of the connecting dorsal for emergency reloading. Next to between the dorsal and the nacelles is a (D144/25 0N) photon torpedo bay. In the event of an emergency the primary hull can separate from the warp nacelles. Once separated the primary hull can maneuver on its own power for extended periods of time.

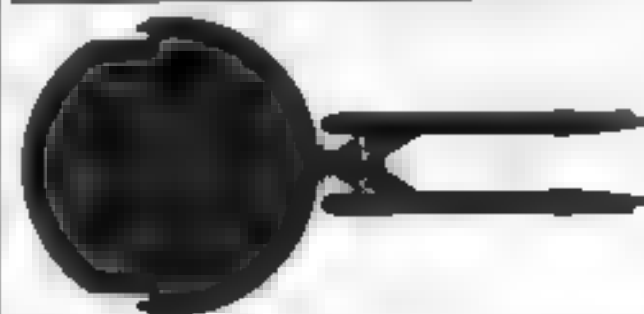
For additional detail refer to Datasheet MV-5.

Class Emblem



Ship Silhouettes

Total Target Area 26482.40 m²
Average Target Area 1007.47 m²



Top Silhouette
Area 10082.61 m²



Port Silhouette
Area 4002.11 m²



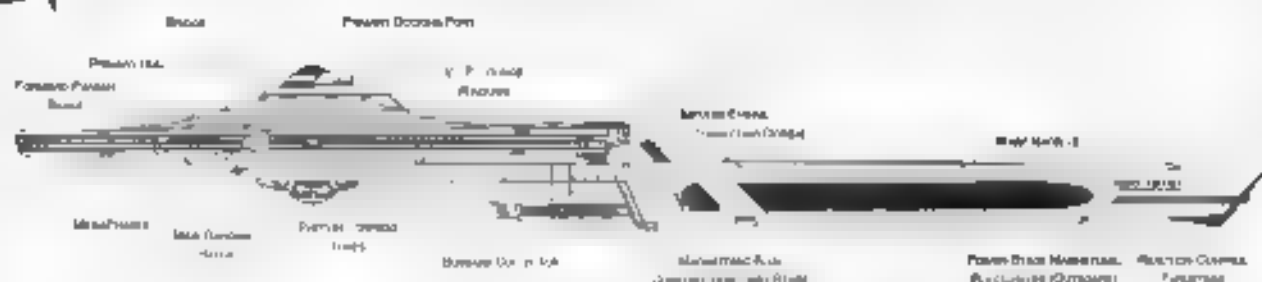
Front Silhouette
Area 5107.68 m²



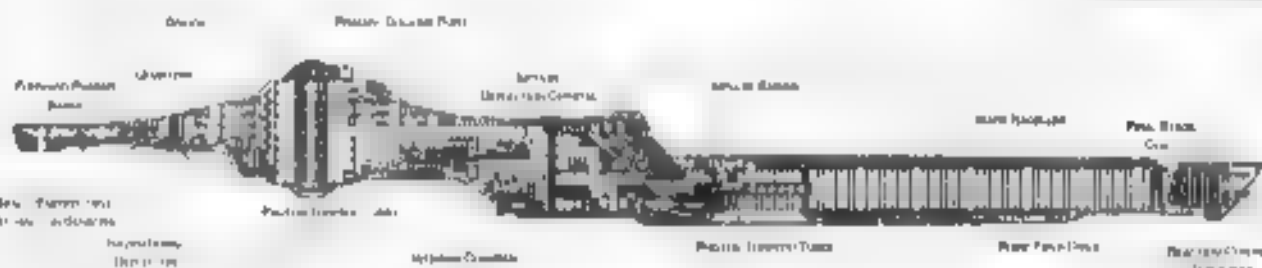
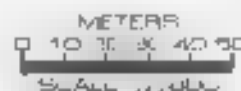
LONG RANGE DESTROYER

REF ID: A55

REF ID: A55



PORT PROFILE



CROSS SECTION

Statistics

Classification: Long Range Destroyer

Category: Destroyer

Class: Destroyer

Type: Destroyer

Model: NR XXXVIII

Serial Construction Number: 2167

Number Proposed: 14

Number Constructed: 14

Number in Service: 13

Number Lost: 1

Dimensions

Overall Dimensions (Meters)

Length: 29.0 m

Width: 4.0 m

Height: 34.0 m

Primary Hull Dimensions (Meters)

Length: 142.31 m

Width: 4.12 m

Height: 32.94 m

Secondary Hull Dimensions (Meters)

Length: 142

Width: 142

Height: 142

Warp Core Dimensions (Meters)

Length: 154.6 m

Width: 7.80 m

Height: 18.0 m

Displacement (Metric Tons)

Light: 10000 m

Standard: 10000 m

Full Load: 10000 m

Performance

Impulse Units: 1000 (1000 HP/10000 W)

Impulse Engine Output: 10000 W

Impulse Power Index: 1

Max Cruising F

Acceleration Rate:

0.00-0.50 Impulse: 0.42 sec

0.50-0.75 Impulse: 0.413 sec

0.75-1.00 Impulse: 0.263 sec

0.75-Full Impulse: 0.054 sec

Warp Coils: 2 (10000 HP/10000 W)

Warp Engine Output: 10000 W

Warp Power Index: 0.7

Optimum Speed: 4

Max Safe Cruising: 4

Emergency Speed: 5.07

Max Speed: 4

Destiny Speed: 0.29

Acceleration Power: 3

Acceleration Times

Warp 1: 0.000 sec

Warp 2: 0.000 sec

Warp 3: 0.000 sec

Warp 4: 0.000 sec

Warp 5: 0.000 sec

Warp 6: 0.000 sec

Warp 7: 0.000 sec

Warp 8: 0.000 sec

Warp 9: 0.000 sec

Warp 10: 0.000 sec

Warp 11: 0.000 sec

Warp 12: 0.000 sec

Warp 13: 0.000 sec

Warp 14: 0.000 sec

Warp 15: 0.000 sec

Warp 16: 0.000 sec

Warp 17: 0.000 sec

Warp 18: 0.000 sec

Warp 19: 0.000 sec

Warp 20: 0.000 sec

Warp 21: 0.000 sec

Warp 22: 0.000 sec

Warp 23: 0.000 sec

Warp 24: 0.000 sec

Warp 25: 0.000 sec

Warp 26: 0.000 sec

Warp 27: 0.000 sec

Warp 28: 0.000 sec

Warp 29: 0.000 sec

Warp 30: 0.000 sec

Warp 31: 0.000 sec

Warp 32: 0.000 sec

Warp 33: 0.000 sec

Warp 34: 0.000 sec

Warp 35: 0.000 sec

Warp 36: 0.000 sec

Warp 37: 0.000 sec

Warp 38: 0.000 sec

Warp 39: 0.000 sec

Warp 40: 0.000 sec

Height: 3

Registration

Tracing: 10000

Two Capacity: 10000 m

Max Range: 10000 m

Cargo Specifications:

Standard Cargo Units: 100

Cargo Capacity: 10000 m

Short Haul Specifications:

Docking Ports: 1

Shuttlecraft Bays Total:

Small Bay: 0

Medium Bay: 0

Large Bay: 1

Super Bay: 0

Shuttlecraft Standard: 10

Work Bays:

Turret Pods:

Agonize Shuttle:

Light Shuttle: 0

Standard Shuttle: 1

Heavy Shuttle:

Cargo Shuttle:

Assault Shuttle:

Medical Bay: 2

Light Fighter: 2

Fighter: 2

Heavy Fighter: 2

Alphabets:

Turbolift (10 persons): 1

Alphabets (10 persons): 10

Alphabets (20 persons): 4

Alphabets (30 persons): 0

Cloaking Devices: 0

Shield Index Values:

Planetary Survey: 3

Galaxy Survey: 1

Short Range: 30

Long Range: 10

Navigation: 10

Special: 80

Composites: 1

Type: Daystrom Destructive: 400

Type: Daystrom Destructive: 400

Type: Daystrom Destructive: 400

Type: Daystrom Destructive: 400

Type: Daystrom Destructive: 400

W/M Index: 10

Shield Rating:

Shield Index: 20

Shield Power: 10000 W

Shield Rate: 10000 W

Breakdown Rate: 0.000001 W

Shield Dimensions (Meters)

Length: 142.4 m

Width: 7.78 m

Height: 66.8 m

Weapons

Power Power Index: 10

Power Power Index: 10

Power Power Index: 10

Power Power Index: 10

Power Power Index: 10

Power Power Index: 10

Power Power Index: 10

Power Power Index: 10

Power Power Index: 10

Power Power Index: 10

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Power Power Index: 10

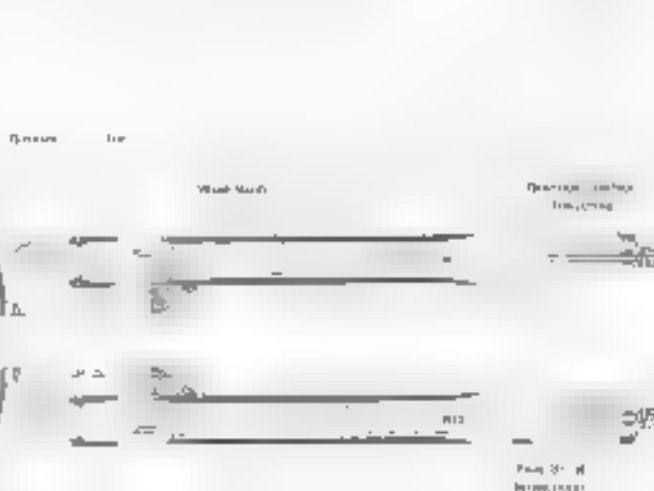
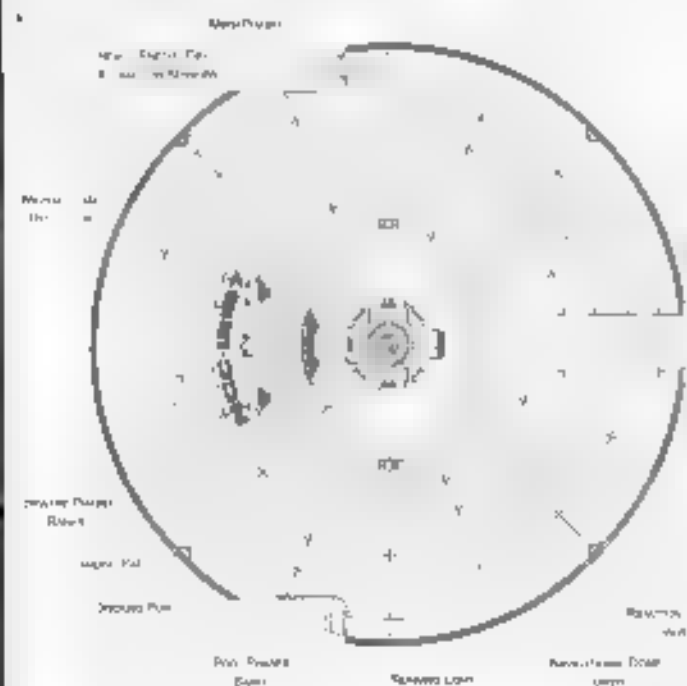
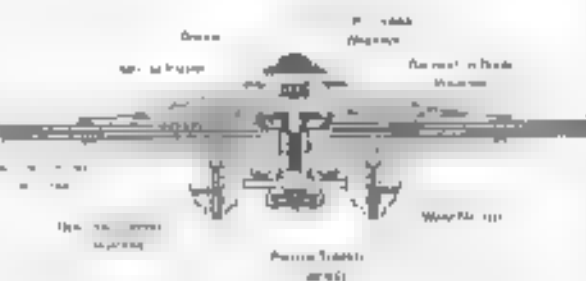
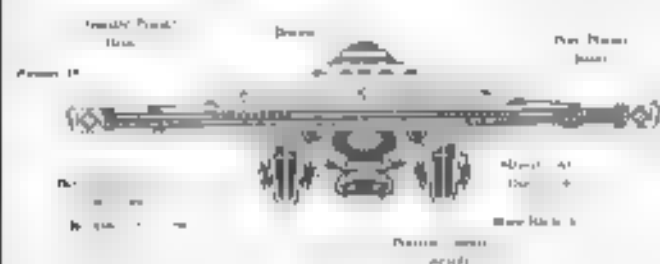
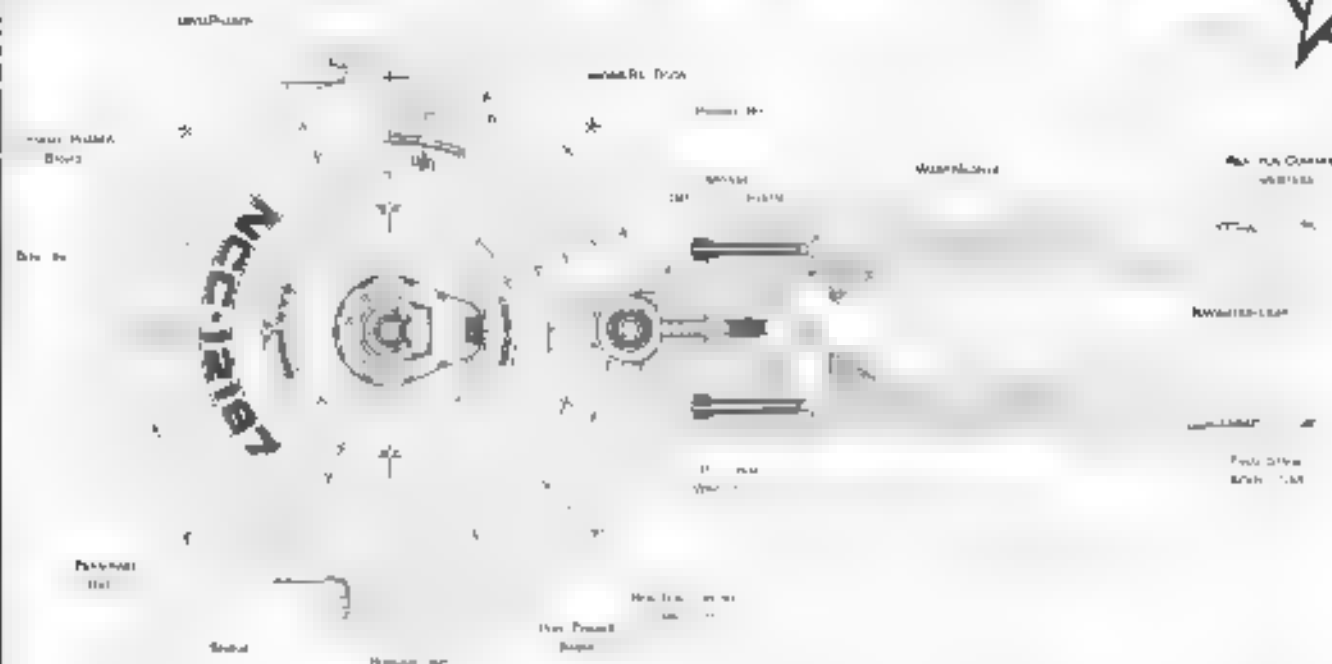
Power Power Index: 10

Power Power Index: 10

Power Power Index: 10

FEDERATION VESSEL

LONG RANGE DESTROYER





LONG RANGE DESTROYER

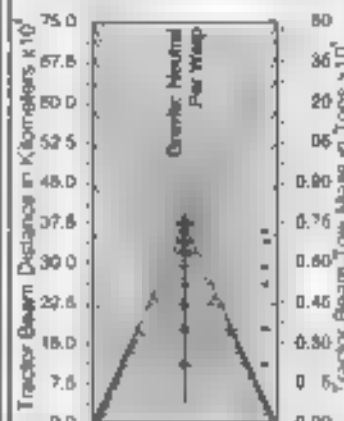
Ship Names

THE FOLLOWING SHIPS OF THE MK XXXVIII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2259.10

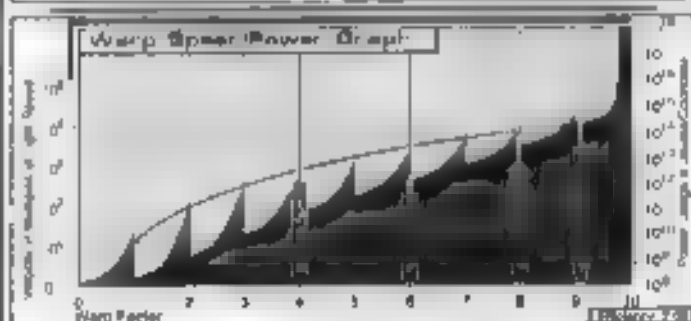
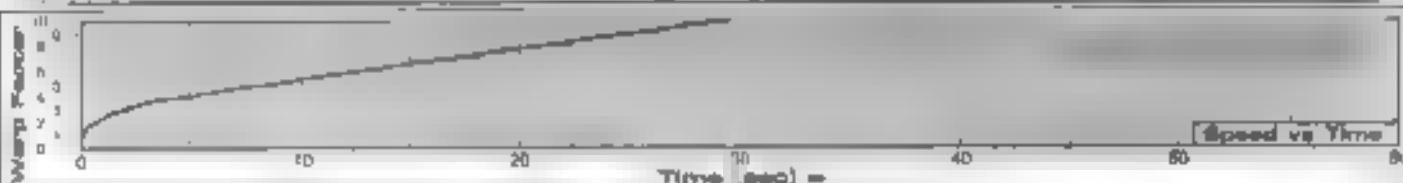
AKUCHI -NCC- 2142	KODACHI -NCC- 2126	GIYON -NCC- 2122
ANAL -NCC- 2143	KODATANA -NCC- 2108	ZINBA -NCC- 2119
BARONG -NCC- 2138	KODIS -NCC- 2132	
YAMILAN -NCC- 2120	KRIS -NCC- 2136	
INDO -NCC- 2143	KURRI -NCC- 2104	
ONG-DEA -NCC- 2112	KUSARISAMP -NCC- 2128	
CUT-ABS -NCC- 2142	IRIX -NCC- 2106	
DOJANUM -NCC- 2144	LOMISWIRI -NCC- 2147	
ENPA -A. KODIA -NCC- 2131	MAHITTE -NCC- 2133	
S. K. -NCC- 2131	MAHARA -NCC- 2150	
FALJACH -NCC- 2130	NATHANAK -NCC- 2115	
FUMBERGE -NCC- 2131	NIJUM -NCC- 2114	
TA -NCC- 2125	PARANG -NCC- 2110	
DEJIL -NCC- 2146	PLISE -NCC- 2116	
GOOK -NCC- 2135	PINIE -NCC- 2148	
GRISSABMESSE -NCC- 2112	PULAWI -NCC- 2118	
HAIRH -NCC- 2142	RAPIER -NCC- 2100	
JAN -NCC- 2136	SAR -NCC- 2135	
ITTE -NCC- 2123	YAK -NCC- 2104	
KASHATA -NCC- 2134	SHANSHIP -NCC- 2124	
KHOPESH -NCC- 2128	SPATIA -NCC- 2116	
KI -NCC- 2138	TALH -NCC- 2103	
KMEJAI -NCC- 2148	YAKABA -NCC- 2133	
KUJA -NCC- 2144	AN -NCC- 2104	
KURIM -NCC- 2140	IRIMAN -NCC- 2144	

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



"CLASS BYE, LOST IN THE LINE OF DUTY." "PROPOSED, ALL NAMES PREPARED WITH S.B.B."



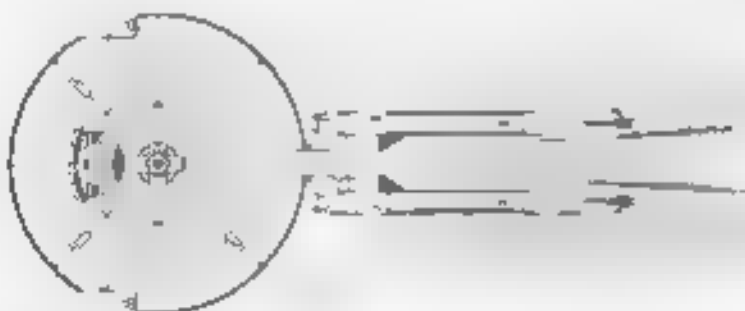
Field Length 88.88m
Field Width 178.48m
Field Height 88.87m



Front Warp Field Profile
Cross Section Area 8272.81 m²



Port Warp Field Profile
Cross Section Area 8272.81 m²



Top Warp Field Profile
Cross Section Area 8272.81 m²

PT: DESTROYER



General Information

Specific Role: The PT Destroyer's unique design allows it deliver a formidable barrage of photon torpedoes that even the largest of capital ships find hard to defend against. The PT Destroyer can also be used when a large number of probes and sensors are to be launched. The PT destroyer's slender secondary hull has photon torpedo tubes capable of firing with the standard firing rate. This vessel is equipped with extensive ECM equipment to help it survive.

Physical Description: The PT Destroyer incorporates a special (PH 47/D-M9) primary hull equipped with additional engineering sensors, a deflector array and a small suncor located on the upper starboard side. The (BS1-D-R3) bridge incorporates a larger weapons and tracking sensor capable of monitoring and controlling up to 50 independent torpedo trajectories. Integrated into the standard deflector grid are additional electronic countermeasures to make the vessel more stealthy. On the lower part of the primary hull is the (SM49-SF) light sensor array and (DNA-3) navigational dome. Located on the port starboard side below the primary hull are six (M2-K-2) phaser banks. At the rear of the primary hull are (C-HSB-W-5-10) dual impulse units which are used for auxiliary power and as a warp propulsion. The vessel is also equipped with additional internal dispensers to supply fuel for its increased maneuvering capabilities. Below the primary hull is the tripled (S-47-L-M9) secondary hull. The vessel's warheads are generated by two (SW-2/1-5) dual warheads attached to the secondary hull by (H-40-G) support pylons. The lower hull (H-20-20) photon torpedoes as 16 mounted along the slender secondary hull. Inside the secondary hull is the (SM4-K-2) internal transport and the (AMH-W-2W) main transporter storage tanks which are easily jettisoned in case of an emergency. In the event of an emergency the primary and secondary hulls can separate leaving the secondary hull detached. Once separated the primary hull can maneuver on impulse power for extended periods of time.

For additional detail refer to Datastreet M7

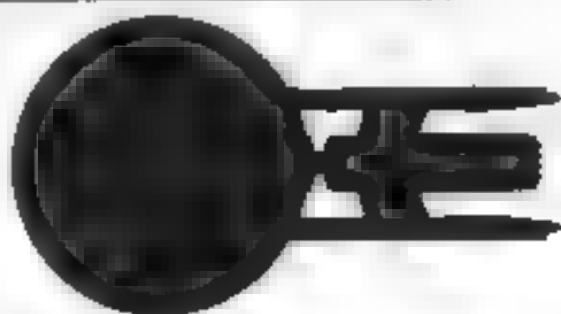
Class Emblem



Abbe Class PT Destroyer

Ship Silhouettes

Total Target Area 38327.10 m²
Average Target Area 1 643.71 m²



Top Silhouette
Area 23420.07 m²

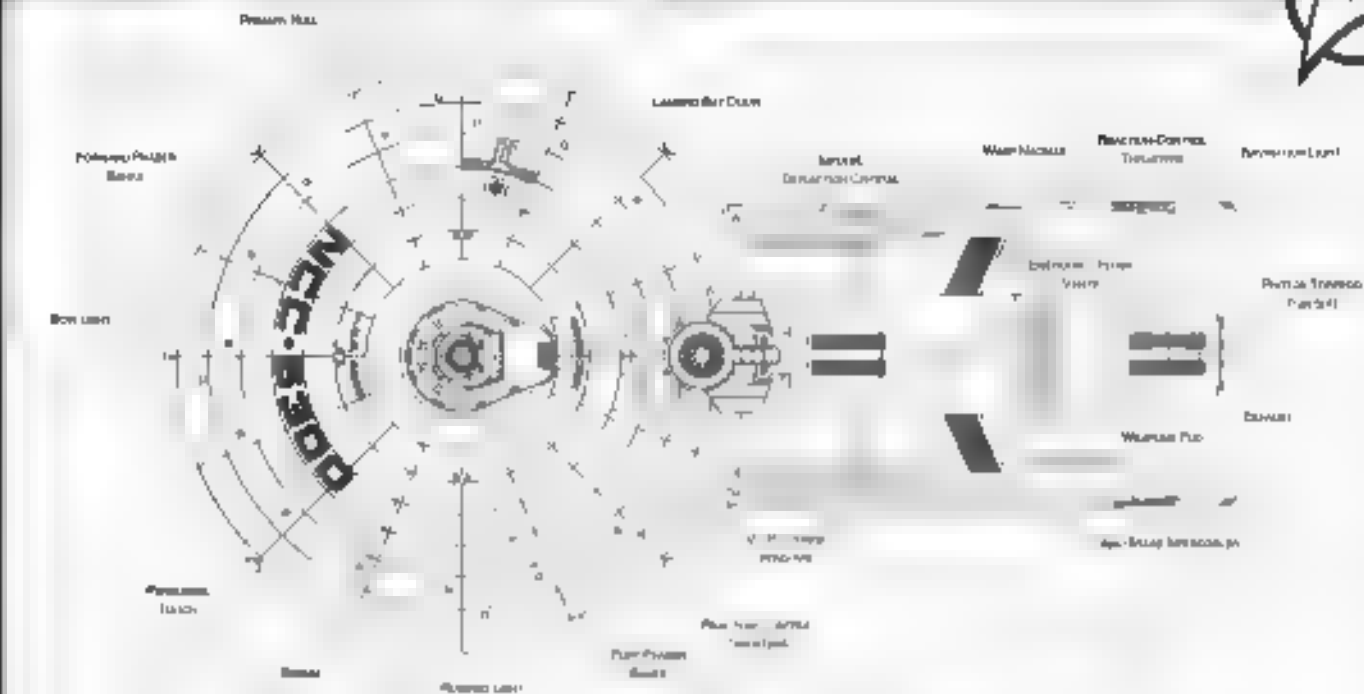


Port Silhouette
Area 2206.17 m²

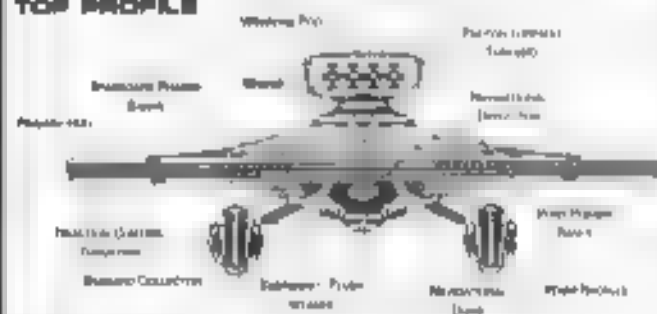


Front Silhouette
Area 2360.86 m²

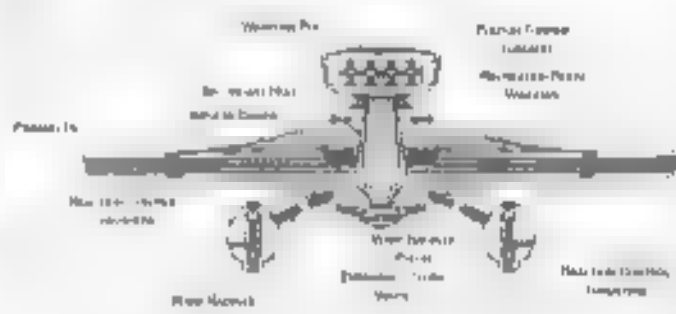
PT DESTROYER



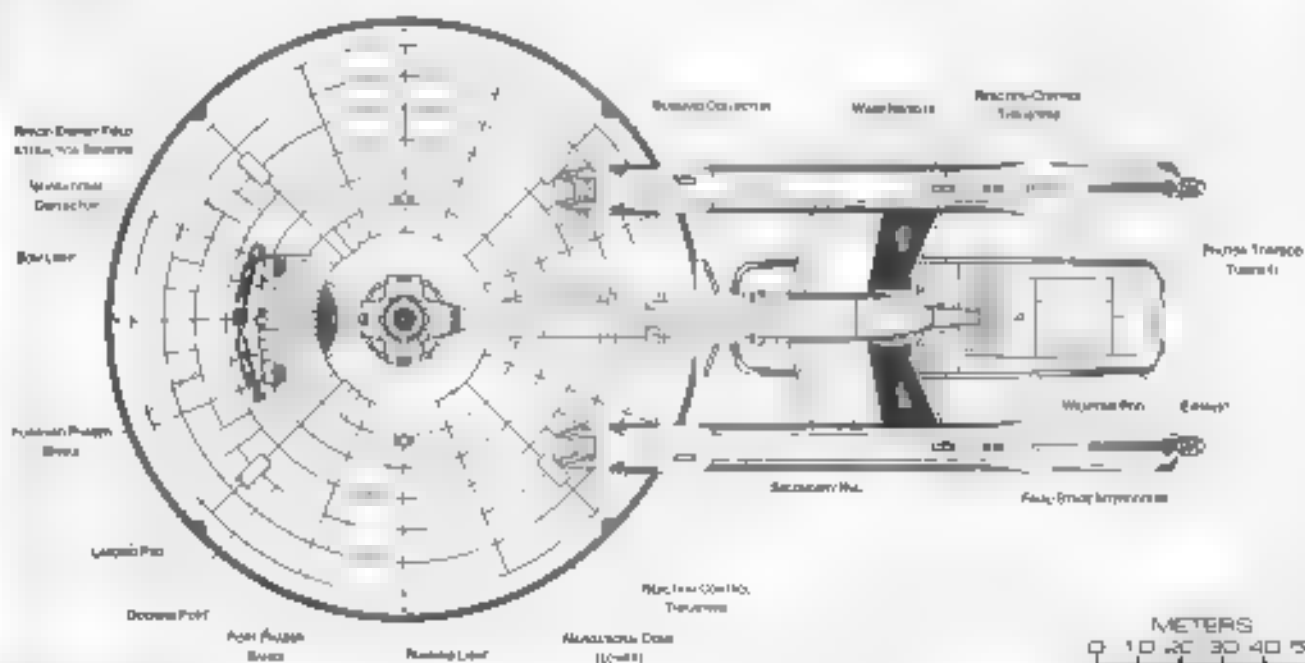
TOP PROFILE



FRONT PROFILE



PELAWI PROFILES



BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:100



PT DESTROYER

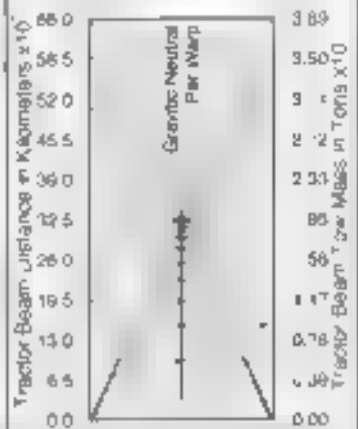
Ship Names

THE FOLLOWING SHIPS OF THE MK XV₀ CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2270.11

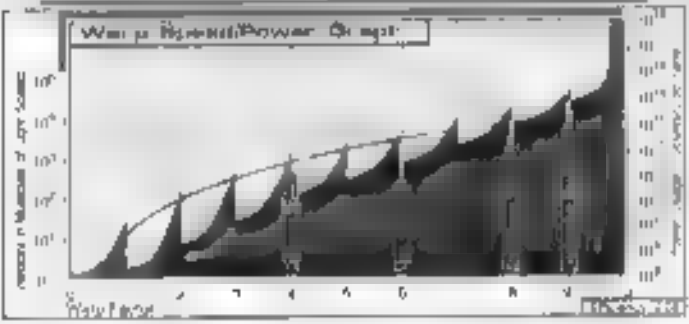
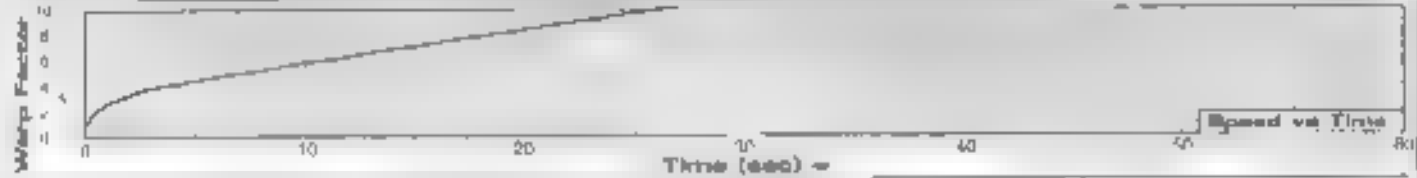
ABDOORA NO 5318	WALSH NO 5320
ADAMS NO 5321	WARRICK NO 5314
ALBARDI NO 5302	WINKLER NO 5305
ALBANI NO 5327	WIL NO 5328
ALBANI NO 5311	WILKINS NO 5325
ALBANI NO 5312	ZHANG NO 5308
ALBANI NO 5313	
ALBANI NO 5314	
ALBANI NO 5315	
ALBANI NO 5316	
ALBANI NO 5317	
ALBANI NO 5318	
ALBANI NO 5319	
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ALBANI NO 5321	
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ALBANI NO 5323	
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ALBANI NO 5391	
ALBANI NO 5392	
ALBANI NO 5393	
ALBANI NO 5394	
ALBANI NO 5395	
ALBANI NO 5396	
ALBANI NO 5397	
ALBANI NO 5398	
ALBANI NO 5399	
ALBANI NO 5400	

Tractor Beam Specifications

Primary Tractor Beam Load Calculation



CLASS SHIP, LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PREFIXED WITH "ALBANI"



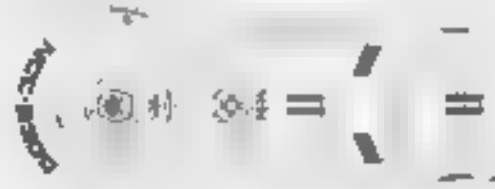
Field Length: 488.88m
Field Width: 187.88m
Field Height: 78.88m



Front Warp Field Profile
Cross Section Area 8853.48 m²



Port Warp Field Profile
Cross Section Area 8853.48 m²



Top Warp Field Profile
Cross Section Area 8853.48 m²

COMMAND CRUISER



General Information

Specific Role: The Command Cruiser is a reasonably swift and extremely powerful vessel. The addition of an extended primary hull and a third warp nacelle give the vessel outstanding reserves, an elevation top speed and fire power. The primary mission of the Command Cruiser is to serve as a flagship for fleet engagement. The secondary mission is diplomatic enforcement between quarreling allied worlds. The vessel is equipped with extensive ECM equipment to help it survive.

Physical Description: The Command Cruiser's (PHE1477) M2 extended primary hull contains extremely heavy weapons, shielding and ECM/ECM devices, as well as a (S9 C 52) multi-level strategic bridge which includes dual weapons sections and an additional tracking section. Within the strategic bridge suspended between two tiers a holographic battle field display gives the Fleet Commander an immediate heads up on battle field developments and can also be used to run battle plan simulations and probable counter strategies. Mounted on the underside of the primary hull are the designated (SM18/5) main sensor array and (DN54/5) QX navigational tracking dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (HP2/30) 2L phaser banks. On the rear of the secondary hull are the M2 4L 2L phaser banks. On the underside of the secondary hull are two additional R2 4L 2L phaser banks. Above the primary hull extension mounted port and starboard are two M2 15 2L Mega Lasers. Port and starboard on the upper primary hull forward of the raised extension are supplementary (DN2 4L 2L) navigational deflector. On the front of the secondary hull is the (DN2 1L 2L) primary navigational deflector used to assist the navigational abilities in deflecting incoming debris. Mounted on the rear of the primary hull are two (SE 4 R) dual impulse units which are used for auxiliary power and sub light propulsion. Two mechanical engine blocks are used in one on the starboard side of the impulse engines on the rear of the primary hull and the second at the rear of the secondary hull. Located between the dorsal and the secondary hull is a forward facing (H2 25 C0X) photon launch bay. The vessel's warp fields are generated by three (SWH2 510) warp nacelles. The outboard nacelles are attached to the secondary hull by (H47 70) support pylons while the central nacelle is attached by a (H1 2L 60) dorsal support pylon. Below the primary hull is the (S1 117 C 2) secondary hull supported by a (H0 40) support pylon. On the front of the secondary hull is a (DN2 1L 50) navigational deflector used to assist the navigational abilities in deflecting incoming debris. Mounted along the rear of the primary hull is a (A47 C 20X) command section for ship deployment, in coordination with the rear banks as the fleet is advancing. Located in the bottom of the secondary hull is a (H1 100) support pylon. The top of the primary hull is the M25/18 2L command chamber and (AMM/48 51) quarters for the bridge crew. In an emergency the storage tanks and command chamber can be jettisoned. The vessel is equipped with the primary and secondary hulls at separate and the primary hull can maneuver at high power for extended periods of time.

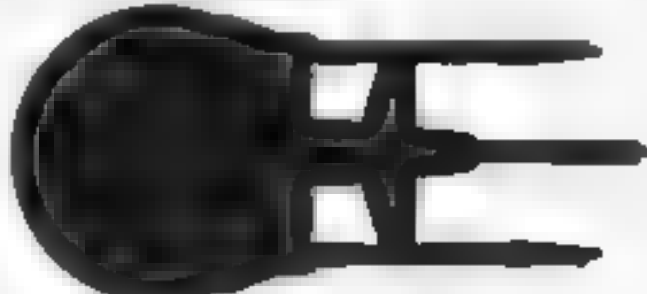
For additional detail refer to DataSheet MV 17.

Class Emblem



Ship Silhouettes

Total Target Area 40030.88 m²
Average Target Area 13343.62 m²



Top Silhouette
Area 17884.30 m²



Port Silhouette
Area 2080.88 m²



Front Silhouette
Area 3780.00 m²



Statistics

Marblehead Bay: D
Upper Bay: G
Lower Bay: C

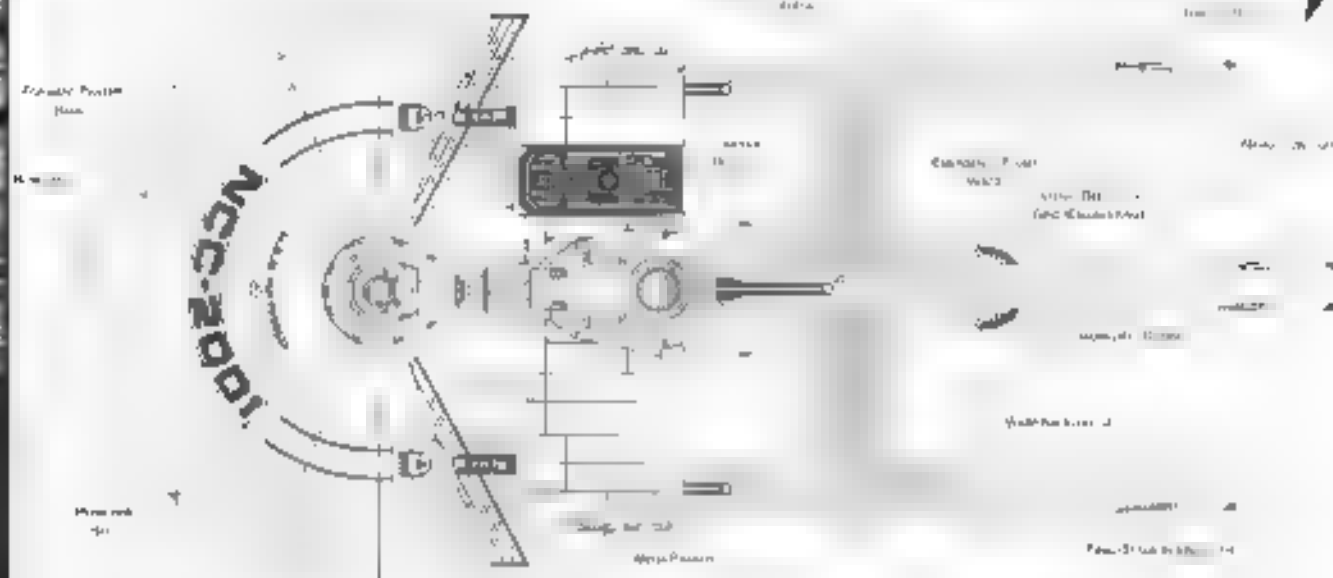
COMMAND CRUISER



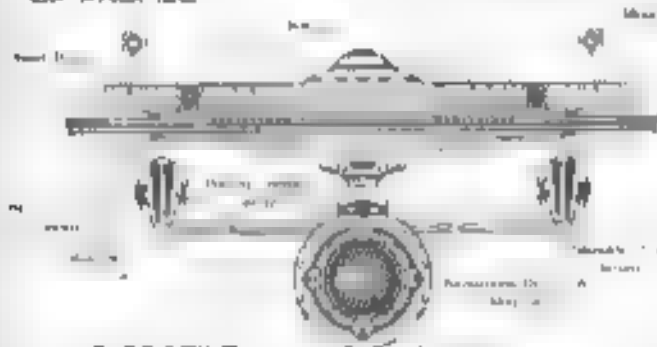
PRIMARY 30

Warp Drive
Drive

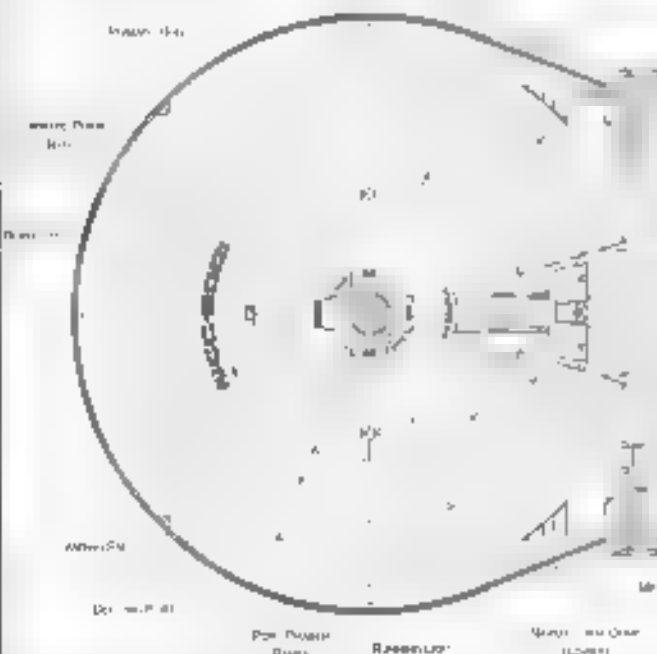
Reaction Control
Thrusters



TOP PROFILE

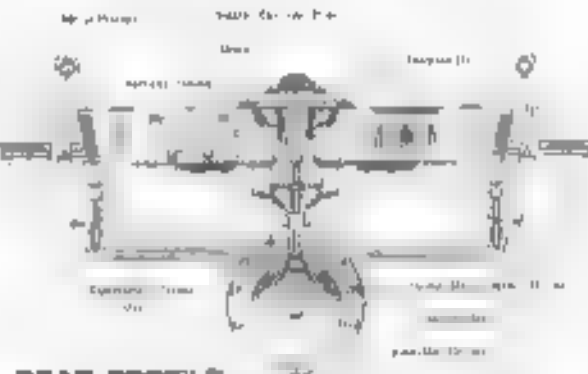


FRONT PROFILE

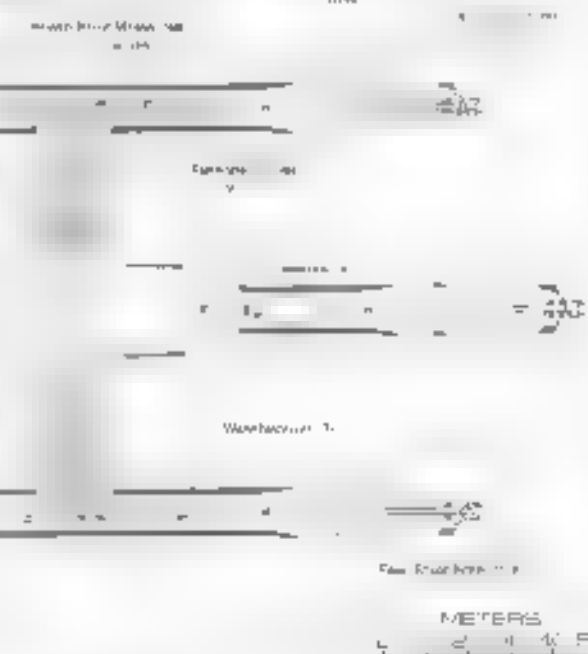


BOTTOM PROFILE

STARFLEET REFERENCE MANUAL



REAR PROFILE



SRMA-1 05:03:01:03

FEDERATION VESSEL

STARFLEET



COMMAND CRUISER

Ship Names

THE FOLLOWING SHIPS OF THE MK-XVIII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2271.4

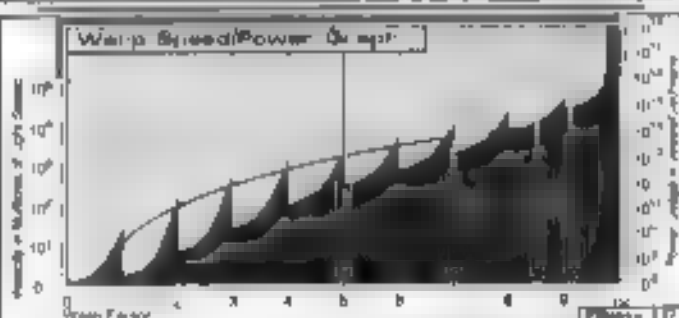
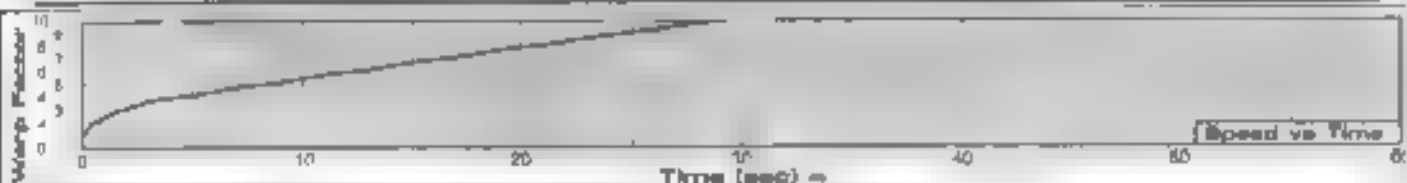
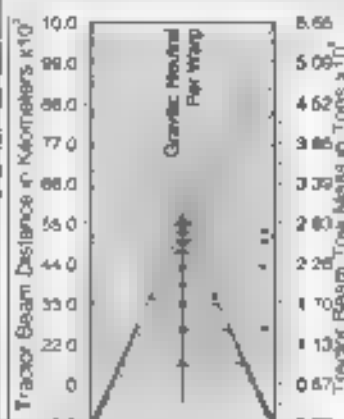
ARCHIVE -NCL 2015"
B-GGLER -NCL 2009
FENIRA -NCL 2010
IN -NCL 2011
OLLEPPER -NCL 2008"
UEIRINER -NCL 2007"
OR WAZ -NCL 2022"
IA -NCL 250
HEMTERROW -NCL 2009
HEWIER -NCL 2010"
VAB -NCL 2025"
AID -NCL 2018
KRAI -NCL 2015
LUNERT -NCL 2020
VFA -NCL 2010
MAST -NCL 2008"
MAST -NCL 2010
MAST -NCL 2009
MAST -NCL 2024"
MAST -NCL 2010
MAST -NCL 2010
PE -NCL 2004
IL -NCL 2010
IL -NCL 2010
IL -NCL 2010

SUNBURG -NCL 201
TRANSFER -NCL 2002
TU -NCL 2018
WILDFIRE -NCL 2007"
YUSHUA -NCL 2023"
ZADPR -NCL 2005

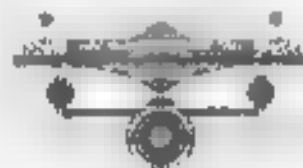
CLASS SHIP, LOST IN THE LINE OF DUTY. *PROPOSED ALL NAMES PRECEDED WITH "USS."

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



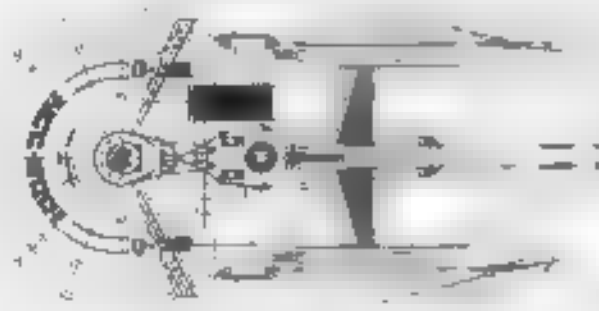
Field Length: 877.83m
Field Width: 80.34m
Field Height: 88.14m



Front Warp Field Profile
Cross Section Area 14800.88 m²



Port Warp Field Profile
Cross Section Area 38881.87 m²



Top Warp Field Profile
Cross Section Area 77088.88 m²

HATFIELD CLASS

FEDERATION VESSEL

CRUISER



General Information

Specific Role The Cruiser is the backbone of the Federation for exploration and defense. It is equipped with moderate laboratories, standard weapons systems and defensive ECM equipment. Its primary mission is exploration, however, it is also used for perimeter defense and diplomatic duty. The Cruiser is often used as a research facility in areas too dangerous for lightly armed dedicated research vessels.

Physical Description The (PH 47/1113) primary hull is equipped with the (BS 01C 04) bridge. On the lower part of the primary hull is the (SM49/61) main sensor array and (N4 3N) navigational dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (B12 30 20) phaser banks. Towards the rear of the secondary hull above the hangar deck are two (P2 4 2) phaser banks. A single photon torpedo bay is slung underneath the front of the secondary hull. To the rear of the primary hull are (K1 15) (K1 6) dual impulse engines which are used for auxiliary power and sublight propulsion. The vessel's warp fields are generated by two (SW52 1-5A) warp facilities attached to the (S 25 1 2) secondary hull by (D1 729 6P) support pylons. The primary and secondary hulls are joined by a (D1 56 52) permanent dorsal located to the rear of the secondary hull is the (N2 A 3) navigational deflector used to assist the shields in deflecting oncoming projectiles. On the lower part of the primary hull is the (SM49 2W) main sensor array (N4 3N) navigational dome located on the top of the primary hull is the forward wing and (M12 25 1W) internal bay located in the engineering dorsal is the (M2H 21) engine chamber. The (AMH 2H 4Y) intercommissure storage racks are located on the secondary hull of the hull along the outer edge for emergency use. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional details refer to Datasheet MV 18.

Class Emblem



Ship Silhouettes

Total Target Area 36394 m²
Average Target Area 0769.08 m²



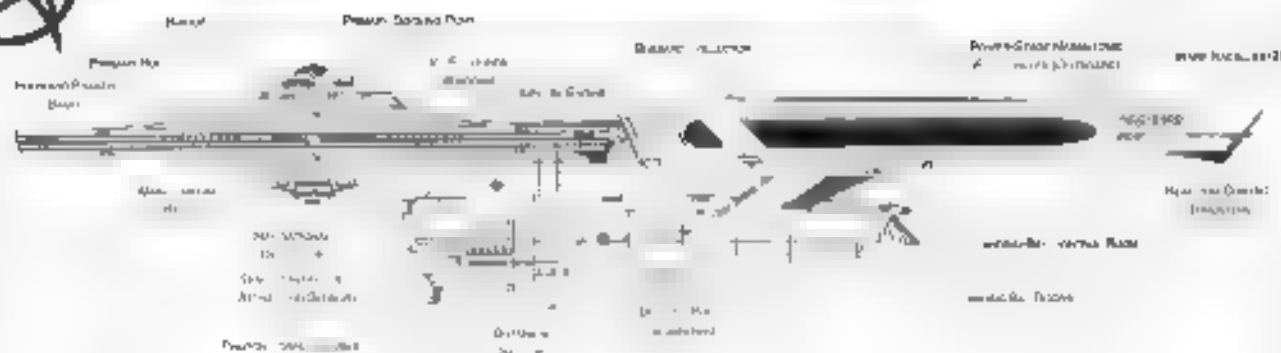
Top Silhouette
Area 81388.83 m²



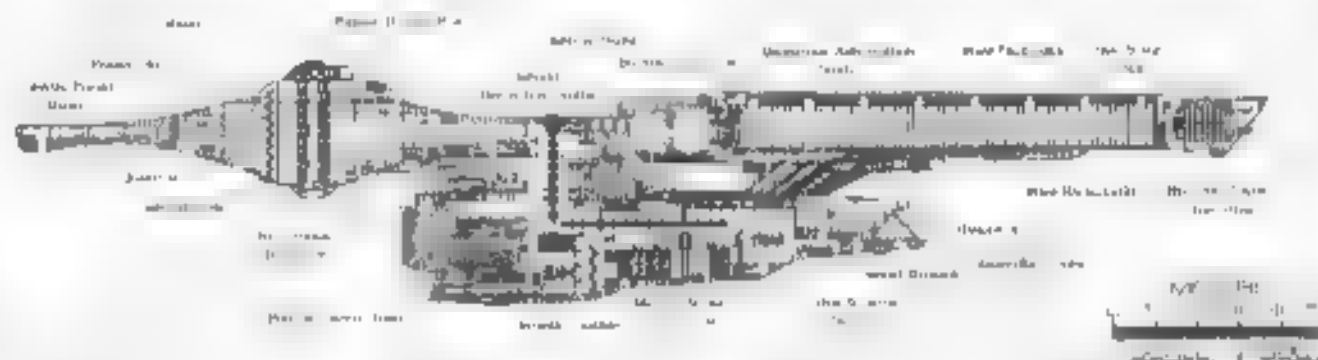
Port Silhouette
Area 7748.89 m²



Front Silhouette
Area 3228.75 m²



PORT PROFILE



CROSS SECTION

Statistics

Classification

Category: CRU

Class: CRU

Type: CRU

Model: CRU-1

Naval Architecture Contract: 2400

Number Proposed: 55

Number Constructed: 38

Number in Service: 18

Number Lost: 3

Dimensions

Overall Dimensions (Meters)

Length: 28.3 m

Width: 10 m

Height: 28.3 m

Primary Hull Dimensions (Meters)

Length: 28.3 m

Width: 10 m

Height: 28.3 m

Secondary Hull Dimensions (Meters)

Length: 10 m

Width: 10 m

Height: 10 m

Warp Core Dimensions (Meters)

Length: 10 m

Width: 10 m

Height: 10 m

Displacement (Metric Tons)

Light: 10,000 t

Standard: 8,000 t

Full Load: 20,000 t

Performance:

Impulse Units: 2,000 (100% FTL)

Impulse Engine Output: 100 MW

Impulse Power Index: 10

Max Cruising:

Acceleration Rate:

0.00-0.25 impulse: 0.184 sec

0.25-0.50 impulse: 0.276 sec

0.50-0.75 impulse: 0.368 sec

0.75 Full Impulse: 0.460 sec

Warp Units: 2 (100% FTL)

Warp Engine Output: 100 MW

Warp Power Index: 10

Upstream Speed

Max Upstream Speed: 10

Upstream Speed: 10

Max Speed: 10

Downstream Speed: 10

Acceleration Power: 10

Acceleration Time:

Warp 1: 10 sec

Warp 2: 10 sec

Warp 3: 10 sec

Warp 4: 10 sec

Warp 5: 10 sec

Warp 6: 10 sec

Warp 7: 10 sec

Warp 8: 10 sec

Warp 9: 10 sec

Warp 10: 10 sec

Warp 11: 10 sec

Warp 12: 10 sec

Warp 13: 10 sec

Warp 14: 10 sec

Warp 15: 10 sec

Warp 16: 10 sec

Warp 17: 10 sec

Warp 18: 10 sec

Warp 19: 10 sec

Warp 20: 10 sec

Warp 21: 10 sec

Warp 22: 10 sec

Warp 23: 10 sec

Warp 24: 10 sec

Warp 25: 10 sec

Warp 26: 10 sec

Warp 27: 10 sec

Warp 28: 10 sec

Warp 29: 10 sec

Warp 30: 10 sec

Warp 31: 10 sec

Warp 32: 10 sec

Warp 33: 10 sec

Warp 34: 10 sec

Warp 35: 10 sec

Warp 36: 10 sec

Warp 37: 10 sec

Warp 38: 10 sec

Warp 39: 10 sec

Warp 40: 10 sec

Range

Max Range: 10

Max Range: 10

Max Range: 10

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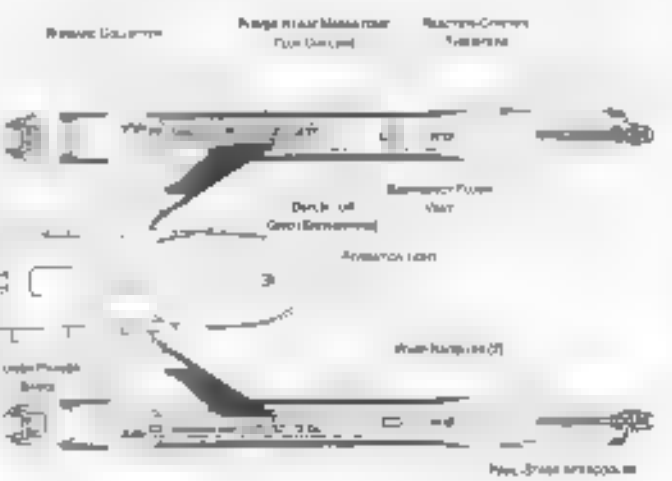
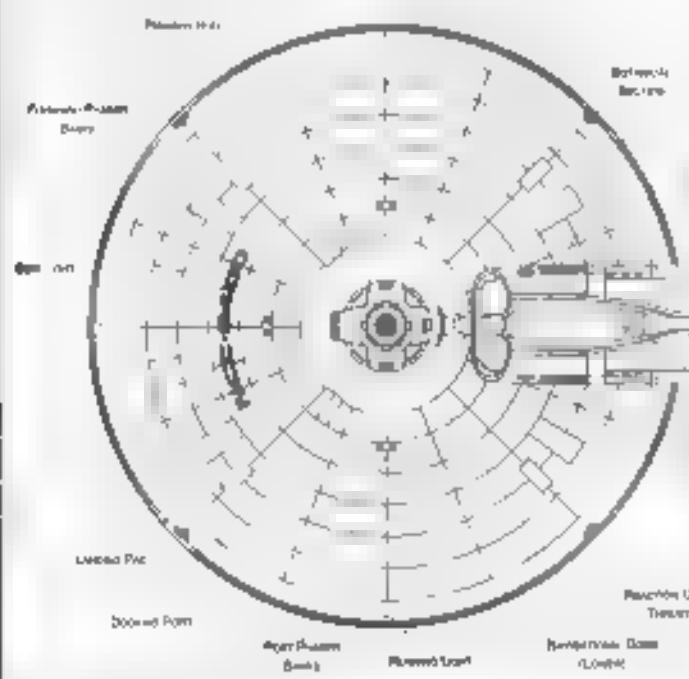
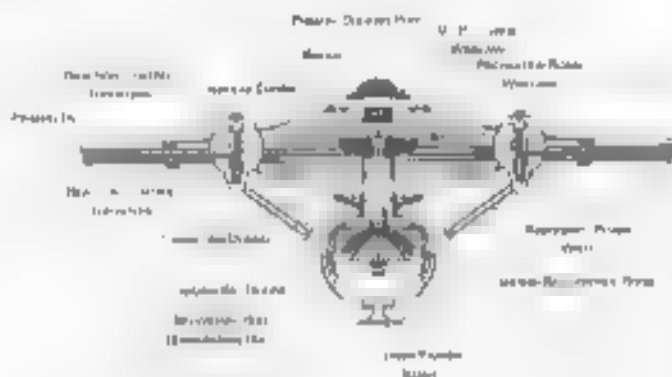
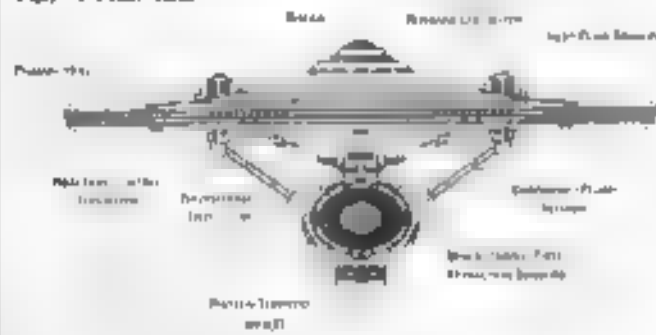
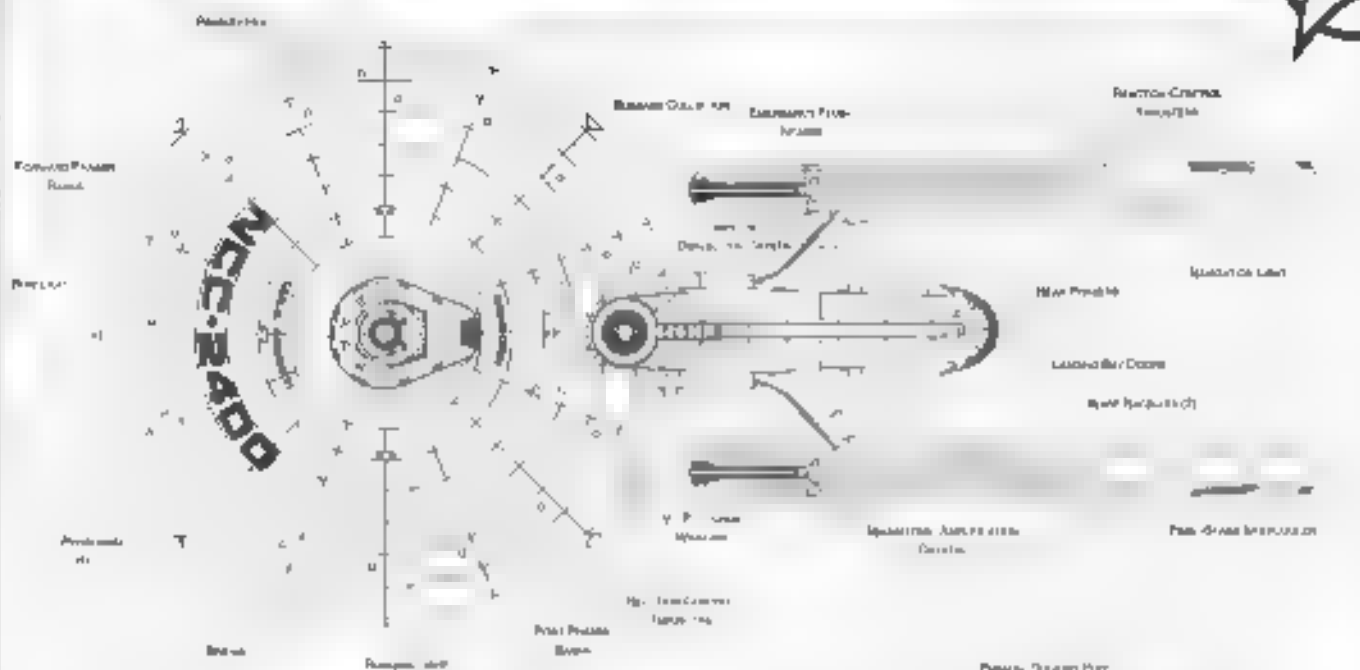
XT Index: 10

XT Index: 10

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XT Index: 10



SRMA-1 05:03:02:03



Ship Names

CRUISER

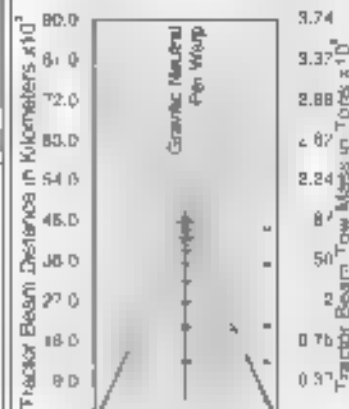
PODESTI CLASS

THE FOLLOWING SHIPS OF THE MK-XII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2267.5

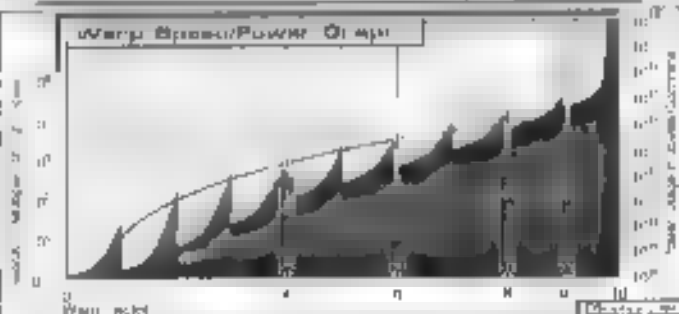
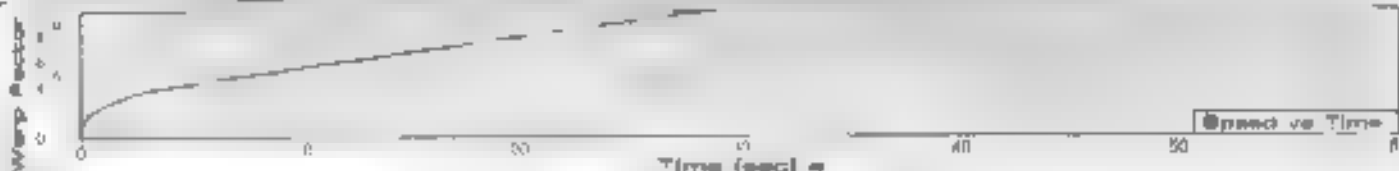
ADRIAN (NCL 2403)	GRUBER (NCL 2404)	MAKAY (NCL 2405)	THOMPSON (NCL 2406)
ALMA (NCL 2407)	GRUBER (NCL 2408)	MAKAY (NCL 2409)	THOMPSON (NCL 2410)
ALMA (NCL 2411)	GRUBER (NCL 2412)	MAKAY (NCL 2413)	THOMPSON (NCL 2414)
ALMA (NCL 2415)	GRUBER (NCL 2416)	MAKAY (NCL 2417)	THOMPSON (NCL 2418)
ALMA (NCL 2419)	GRUBER (NCL 2420)	MAKAY (NCL 2421)	THOMPSON (NCL 2422)
ALMA (NCL 2423)	GRUBER (NCL 2424)	MAKAY (NCL 2425)	THOMPSON (NCL 2426)
ALMA (NCL 2427)	GRUBER (NCL 2428)	MAKAY (NCL 2429)	THOMPSON (NCL 2430)
ALMA (NCL 2431)	GRUBER (NCL 2432)	MAKAY (NCL 2433)	THOMPSON (NCL 2434)
ALMA (NCL 2435)	GRUBER (NCL 2436)	MAKAY (NCL 2437)	THOMPSON (NCL 2438)
ALMA (NCL 2439)	GRUBER (NCL 2440)	MAKAY (NCL 2441)	THOMPSON (NCL 2442)
ALMA (NCL 2443)	GRUBER (NCL 2444)	MAKAY (NCL 2445)	THOMPSON (NCL 2446)
ALMA (NCL 2447)	GRUBER (NCL 2448)	MAKAY (NCL 2449)	THOMPSON (NCL 2450)
ALMA (NCL 2451)	GRUBER (NCL 2452)	MAKAY (NCL 2453)	THOMPSON (NCL 2454)
ALMA (NCL 2455)	GRUBER (NCL 2456)	MAKAY (NCL 2457)	THOMPSON (NCL 2458)
ALMA (NCL 2459)	GRUBER (NCL 2460)	MAKAY (NCL 2461)	THOMPSON (NCL 2462)
ALMA (NCL 2463)	GRUBER (NCL 2464)	MAKAY (NCL 2465)	THOMPSON (NCL 2466)
ALMA (NCL 2467)	GRUBER (NCL 2468)	MAKAY (NCL 2469)	THOMPSON (NCL 2470)
ALMA (NCL 2471)	GRUBER (NCL 2472)	MAKAY (NCL 2473)	THOMPSON (NCL 2474)
ALMA (NCL 2475)	GRUBER (NCL 2476)	MAKAY (NCL 2477)	THOMPSON (NCL 2478)
ALMA (NCL 2479)	GRUBER (NCL 2480)	MAKAY (NCL 2481)	THOMPSON (NCL 2482)
ALMA (NCL 2483)	GRUBER (NCL 2484)	MAKAY (NCL 2485)	THOMPSON (NCL 2486)
ALMA (NCL 2487)	GRUBER (NCL 2488)	MAKAY (NCL 2489)	THOMPSON (NCL 2490)
ALMA (NCL 2491)	GRUBER (NCL 2492)	MAKAY (NCL 2493)	THOMPSON (NCL 2494)
ALMA (NCL 2495)	GRUBER (NCL 2496)	MAKAY (NCL 2497)	THOMPSON (NCL 2498)
ALMA (NCL 2499)	GRUBER (NCL 2500)	MAKAY (NCL 2501)	THOMPSON (NCL 2502)

Traction Beam Specifications

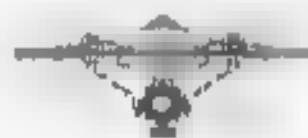
Primary Traction Beam Load Calculation



CLASS SHIP, LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PRECEDED WITH "U.S.S."



Field Length 55' 18in
Field Width 180' 03in
Field Height 24' 03in



Front Warp Field Profile
Cross Section Area 11078.48 m²



Port Warp Field Profile
Cross Section Area 28086.33 m²



Top Warp Field Profile
Cross Section Area 74825.83 m²

FEDERATION VESSEL

CRUISER



General Information

Specific Role: The Cruiser is the backbone of the Federation for exploration and defense. It is equipped with moderate laboratories, standard weapons systems and defensive ECM equipment. Its primary mission is exploration, however it is also used for perimeter defense and diplomatic duty. The Cruiser is often used as a research facility in areas too dangerous for lightly armed dedicated research vessels.

Physical Description: The PH-62/V-F2 primary hull is equipped with the (BS9/V-U4) bridge. On the lower part of the primary hull is the (SM49/G) main sensor array and (UN4-1A) navigational dome. Located on the top of the primary hull is the forward firing and P12-25-3W1 impulse bay. Located on the port/starboard area below the primary hull (both top and bottom) are six RP2-40-2V phaser banks. A single photon torpedo bay is mounted to the front of the primary hull. To the rear of the primary hull are (R33E/3-CB) dual impulse units which are used for auxiliary power and sub-light propulsion. The vessel's warp fields are generated by two (SW52-5A) warp nacelles attached the rear of the primary hull by (D1-21-2F) support pylons. Located at the rear of the primary hull inside each pylon is the M31-1-2-0 transmix chamber. The AM8/2b-4Y matter antimatter storage tanks are located on the rear part of the hull along the outer edge for emergency jetboating. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional detail refer to Datasheet MV-16

Class Emblem



Ship Silhouettes

Total Target Area 298 0.22 m²
Average Target Area 298.01 m²



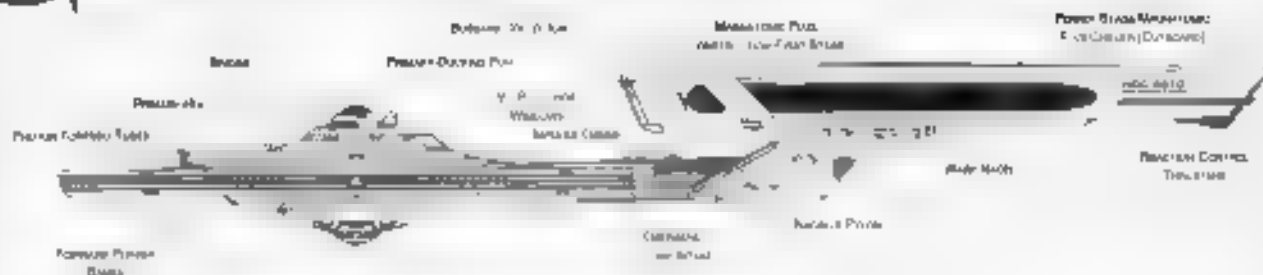
Top Silhouette
Area 21857.85 m²



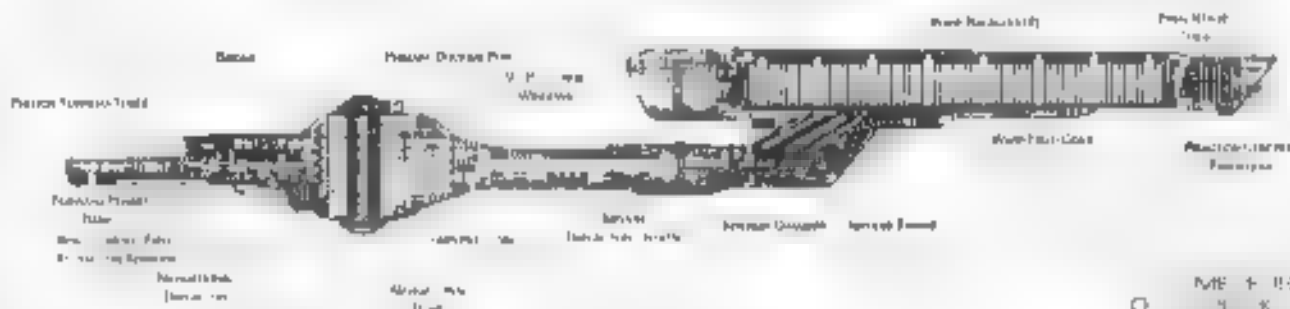
Port Silhouette
Area 4874.78 m²



Front Silhouette
Area 2083.28 m²



PORT PROFILE



COCOA SECTION

Statistics

```
Classification rules
Category type
Class name
Type loss
Model M1.M2.F3
Name Classification Constraints: 1010
Number Proposed 14
Number selected: 42
Number in Sample 45
Number not 0
```

Dimensions
 1) **Length**: 100 cm
 2) **Breadth**: 5 cm
 3) **Height**: 2 cm

Primary Hall Dimensions (Overall)
Length 146.31 m
Width 4.17 m
Height 20.94 m

Secondary Yrd Dimensions (Meters)

Warp Hole Dimensions (Interior)

Length	154.81 m
Width	2.60 m
Height	12.02 m

Displacement (Metric Tons)
Light 20702 mt
Standard: 25404 mt
Full Load: 34356 mt

Performance
Impulse Units: 7mil IntI HPF55E3-GB
Impulse Engine Output 2x 3" W
Impulse Power Index 1.83
Max Crystals:

Apparatus Data:

0.00-0.35 Impulse: 0.19 sec
0.35-0.50 Impulse: 0.19 sec
0.50-0.75 Impulse: 0.262 sec
0.75-1.00 Impulse: 0.198 sec

Warp Units: 2400000 (1011A 5005201-540)
Warp Engine Output: 2×10^{14} W
Burn Point Index: 55

Cylinder Speed 4
Max Auto Cruising 4
Emergency Speed 4
Max Speed 0
Destructive Speed: 0%

Acceleration Power 3
Acceleration Times:

Warp 1	Warp 2	Warp 3	Warp 4	Warp 5
Warp 6	Warp 7	Warp 8	Warp 9	Warp 10
Warp 11	Warp 12	Warp 13	Warp 14	Warp 15
Warp 16	Warp 17	Warp 18	Warp 19	Warp 20
Warp 21	Warp 22	Warp 23	Warp 24	Warp 25
Warp 26	Warp 27	Warp 28	Warp 29	Warp 30
Warp 31	Warp 32	Warp 33	Warp 34	Warp 35
Warp 36	Warp 37	Warp 38	Warp 39	Warp 40
Warp 41	Warp 42	Warp 43	Warp 44	Warp 45
Warp 46	Warp 47	Warp 48	Warp 49	Warp 50
Warp 51	Warp 52	Warp 53	Warp 54	Warp 55
Warp 56	Warp 57	Warp 58	Warp 59	Warp 60
Warp 61	Warp 62	Warp 63	Warp 64	Warp 65
Warp 66	Warp 67	Warp 68	Warp 69	Warp 70
Warp 71	Warp 72	Warp 73	Warp 74	Warp 75
Warp 76	Warp 77	Warp 78	Warp 79	Warp 80
Warp 81	Warp 82	Warp 83	Warp 84	Warp 85
Warp 86	Warp 87	Warp 88	Warp 89	Warp 90
Warp 91	Warp 92	Warp 93	Warp 94	Warp 95
Warp 96	Warp 97	Warp 98	Warp 99	Warp 100

Duration (Years)
Standard: 4 Years
Maximum: 10 Years
Red Shape Complement: 2d7
Officers: 11

Genre (Knowledge Grade): 200
 Troops: 11
 Followers: 50
 Emergency condition: + 400

Medical Facilities
Doctors: 3
Medical Staff
Operating Rooms: 2

Boats: 10
Lab services: 4
Transportation Total: 8
1 Person:
2 Person: 0

0 Person: 0
 1 Person: 0
 2 Person: 0
 3 Person: 0
 Small Cargo:
 Medium Cargo:
 Large Cargo: 0
 Super Cargo: 0

Bridge P
 Haplanthodes 10
 Trochus 50000
 Tow capacity 5 74100 m
 Main structure 1000 m

Cargo Nippon Airlines
Standard Cargo Unit 400
Cargo Capacity 1100 m3
Specialized Specialized
Docking Facility

Shuttlescraft Mays Total: 1
Small May
Medium May: 0
Large May 0
Super May 0

Work Name:
Turrel Ponds:
Aquatic Shrubland
c1ch1 Shrubland

Light Bottle: 0
Standard Bottle: 4
Heavy Bottle: 1
Cargo Bottle: 1
Assault Bottle: 3
Flame Bomb: 2

Light Fly: 2
 Fly: 2
 Heavy Fly: 2
 Fly: 2
 Fly: 2

```

Carballed (all persons): 18
Lifelines (10 persons): 12
Lifelines (20 persons): 5
Lifelines (30 persons): 0
Cleaning Devices: 0

```

Survey Index Values:

Planetary Survey	0.96
Stellar Survey	0.98
Short Range	0.96
Long Range	0.97
Navigation	0.95

Navigation: 0.98
Special: 0.94
Computers: 7
Type: Daystrom, Dendral
Type: Daystrom, Dendral

[illegible]

Weapons:
Threat Force Index: 00
Police Force Index: 53
Vesp Force Index: 27
Weapon Placement:

Beam (Phased): Total: 6 banks
 Output: 5×10^7 W 2 5×10^7 W
 Range: 2.5×10^8 km
 Rate of Fire: 30 ppm/Gcm
 Forward Beam: 2

New Bands: 0
Pet Bands: 7
Hardcore Bands: 7
Upper Bands: 0
Lower Bands: 0

```

Beats (Major/Minor) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Status of Weapon: N/A
Status of Weapon Mount: N/A

```

Papyrus/Reed Banks: 0
 Port/Harboard Banks: 0
 Types/Lower Banks: 0
 Terpedos (Florian) Total: 7 Days
 Stock: 75
 Number: 1000000

Range: 2410' NM
Output: 10.50 MW
Rate of Fire: 10 rpm
Forward Bay:
Star Bay: 0

Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0



A scale bar showing distances in meters (0 to 50) and feet (0 to 150).



Ship Names

THE FOLLOWING SHIPS OF THE MC XLIII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2258 10

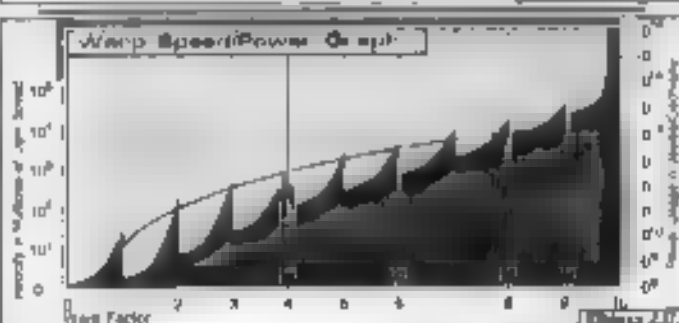
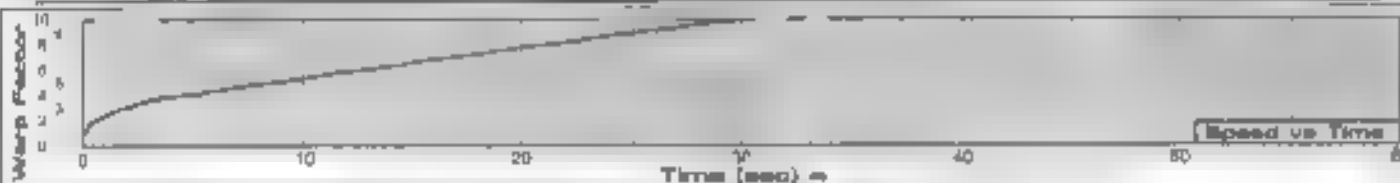
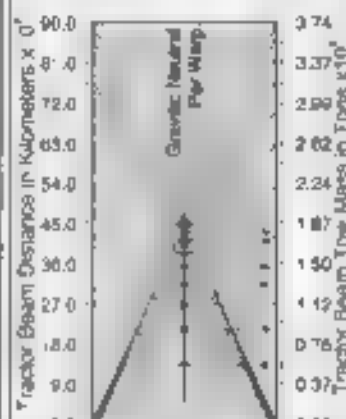
ACV244 - NC 9621	LORVELA - NCC 9642
AMUNDSEN - NC 9639	MAN - NCC 9643
BAKONUR - NCC 9638	MI YARA - NC 9633
BOKINUA - NC 9624	NEW DERUN - NCC 9604
BOLPABI - NC 9623	NEW ILASGOW - NCC 9618
BOLSEYL - NC 9646	NEW AL YI - NC 9645
CALAJIA - NCC 9614	NO-XART'S - NC 9639
CHUS - NCC 9611	OREAS - NCC 964
CHUS - NC 964	PARILNOSA - NCC 9636
CHRISTOP - NC 9608	PARADISE - NCC 96 5
DALARIA - NC 9616	PI JAI - NCC 965
DELA - NCC 9635	SANDAPAM - NC 9677
ER - NC 9632	SATHURA - NCC 9600
ERIKSS - NC 9603	SHANNAKAH - NCC 9640
ERANIS - NCC 9636	SHIRATH - NCC 96
TH. HA - NCC 960	TARSHAN - NC 9619
ICHTHUR - NC 9644	TAVISTAR - NC 9634
IL - NCC 9617	IXIUS - NCC 96 3
IVERSON - NCC 9610	LURKANA - NCC 9608
KIM - NCC 9602	TV. K. - NC 96 8
K'AN - NC 9620	UTOPIA PLANICA - NCC 9637
KORAKPAM - NCC 9629	VALHALLA - NCC 9600
KIMAI - NC 9625	VIA ANA REGAR - NCC 9625
KYLOA - NC 96	
K'AN - NC 9628	

'CLASS SHIP, 'LOST IN THE LINE OF DUTY, 'PROPOSED, ALL NAMES PREFIXED WITH 'J.B.E.'

CRUISER

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



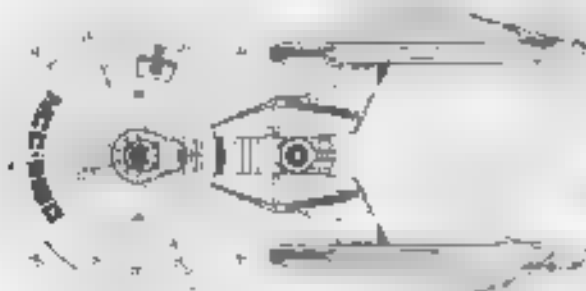
Beam Length 788.16m
Beam Width 128.03m
Beam Height 71.73m



Front Warp Field Profile
Cross Section Area 10021.40 m²



Side Warp Field Profile
Cross Section Area 23887.87 m²



Top Warp Field Profile
Cross Section Area 27808.48 m²



STAR LEAGUE CLASS



CONCLUSION

Statistics

C:\psd\c-3\sigm_006\c3_4.pdf
Category: motor
Class: 'n' motor
Type: 'n'
Rated MK %
Name: quadrature Control 2100
Number Poles: 2
Number Winding: 70
Poles In Series: 19
Poles Per Pole
Dimensions
Overall Dimensions (Meters)
Length: 8 m
Width: 1.5 m
Height: 84 cm
Primary Hull Dimensions (Meters)
Length: 48.7 m
Width: 4.7 m
Height: 9.3 m
Secondary Hull Dimensions (Meters)
Length: 52 m
Width: 3
Height: 52 ft 6 in
Warp Alc Dimensions (Meters)
Length: 54.8 m
Width: 6.3 m
Height: 18.17 m
Displacement (Metric Tons)
Light: 71,500 tons
Standard: 221,450 tons
Full Load: 448,800 tons

Performance:

Impulse Unit: Dual Fuel (RFSE5-JH)
Impulse Engine Output: 8x10 MW
Impulse Power Index: NRG
Max Cranking: C
Acceleration Rate:
0.00-0.25 impulse: 0.225 sec.
0.25-0.50 impulse: 0.318 sec.
0.50-0.75 impulse: 45 sec.
0.75 Full Impulse: 503 sec.

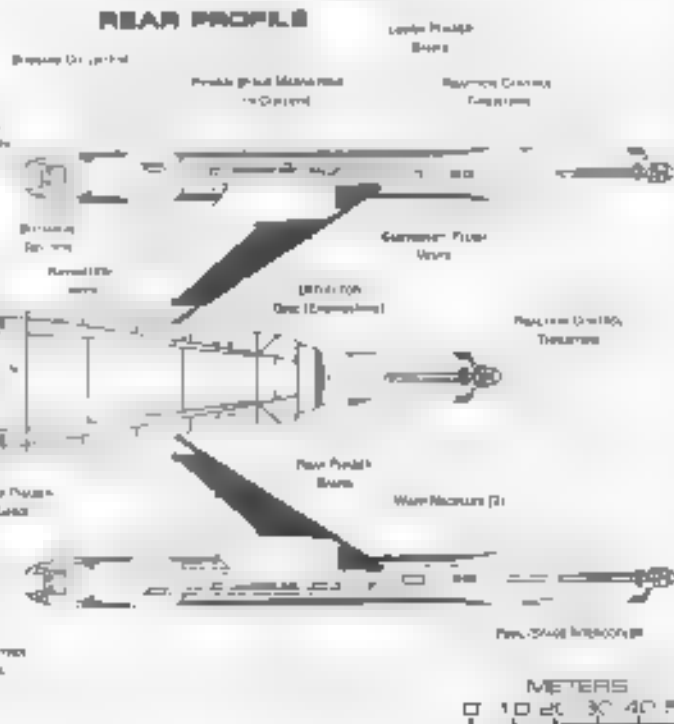
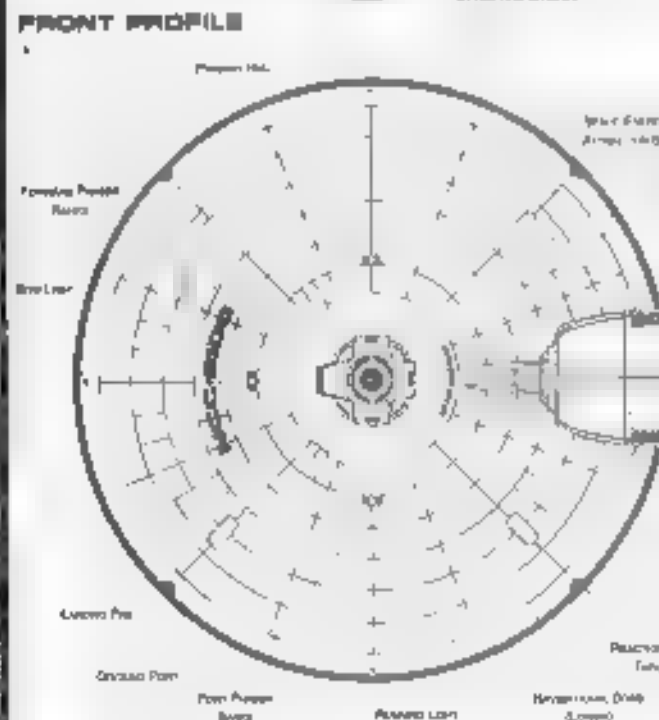
Warp Factor: 2.3 x 10⁻¹¹ = 175021-5
Warp Engine Output: 8x10 MW
Warp Power Index: 33

Maximum Speed 15
 Max. Rate Swinging
 Emergency Speed 11.4
 Max. Speed 12
 Descent Rate Speed 13.35
 Acceleration Power
 Acceleration Time
 Warp 1 Warp 2 11 5 sec
 Warp 2 Warp 3 11 14 sec
 Warp 3 Warp 4 11 22 sec
 Warp 4 Warp 5 11 31 sec
 Warp 5 Warp 6 11 40 sec
 Warp 6 Warp 7 11 49 sec
 Warp 7 Warp 8 11 58 sec
 Warp 8 Warp 9 12 07 sec
 Warp 9 Warp 10 12 16 sec
 Warp 10 Warp 11 12 25 sec
 Warp 11 Warp 12 12 34 sec
 Warp 12 Warp 13 12 43 sec
 Duration (Years)
 Standard + 4 sec
 Maximum 16 Years
 Red Ship Complement 496
 Officers 14
 Crew (Including Graduates) 365
 Troops 10
 Passengers 40
 Emergency condition: + 12.5
 Medical Facilities:
 Doctors
 Medical Staff 9
 Operating Rooms
 Beds
 Laboratories 16
 Transmitters Total 5
 Person 0
 6 Person 0
 12 Person 0
 22 Person 0
 Small Cargo 3
 Medium Cargo
 Large Cargo 0
 Super Cargo 0

Bugs :
Shill-shore 78
Tallies Worms
Low squalls 0 917 MW
Wak Range 1000 ft
High Squalls:
On-Hold High Wind: 500
High Squalls 6-2 mi
Thunderstorm Squalls:
Dwelling Pile
Bottle-Jack Base Trawl: 2
Rough Bay
Medium Bay 7
Large Bay 0
Rough Bay 0
Thunderstorm Squalls: 50
Work Room:
Travel Pulse: 5
Aquatic Shuttles: 2
Light Shuttle 2
Standard Shuttle 2
Heavy Shuttle:
Large Shuttle 4
Assault Shuttle 5
Killer Bee
Jghy Fighter 10
Fighter II
Heavy Fighter
Labrador: 4.
Turbofan 18 person: 78
Adaptor 0 person: 5
Liftboat 120 person: 0
Liftboat 130 person: 0
Fishing Device
New Index Volume
Ministry Survey 80
Stellar Survey 12
Short Range 48
Long Range: 20
Navigation 22
Special 54
Companies: ?
Type Daystrom Duetank -18
Type Daystrom Duetank

R 36 Index 2
 Shield Rating
 Shield Index 0.22
 Bolt/Sec Power 0.04, 0.1 W
 Refresh Rate 0.1 W
 Breakdown Rate 0.1 W
 Shield Dimensions (Meters)
 Length 4.1 m
 Width 2.1 m
 Height 0.5 m
 Weapons
 Phase Power Index 1A
 Photon Power Index 0.04
 Vector Power Index 0.04
 Weapon Placement
 Beam (Photon) Total 1000000000
 Output 1000000000 W 2.5 m 0.1 W
 Range 1000000 m
 Rate of Fire 1000000
 Forward Banks 2
 Rear Banks 2
 Port Banks 0
 Starboard Banks 0
 Upper Banks 0
 Lower Banks 0
 Beam (Mega) Power Total 0
 Output NA
 Range NA
 Rate of Fire 0.04
 Forward/Rear Banks 0
 Port/Starboard Banks 0
 Upper/Lower Banks 0
 Torpedoes (Photon) Total 2000
 Size 25
 Range 1000000 m
 Output 1000000000 W
 Rate of Fire 1000000
 Forward Bay
 Rear Bay 0
 Port Bay 0
 Starboard Bay 0
 Upper Bay 0
 Lower Bay 0

FEDERATION OF



METERS
0 10 20 30 40 50
SCALE 1:1000



Ship Names

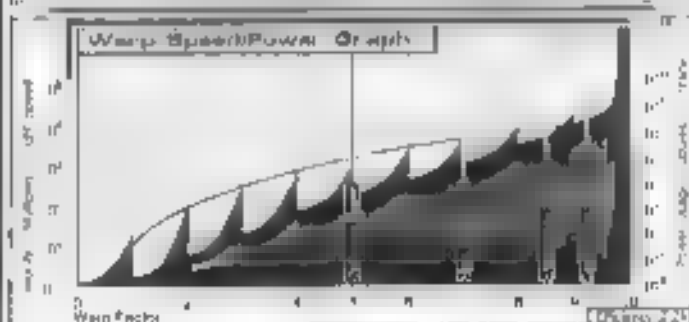
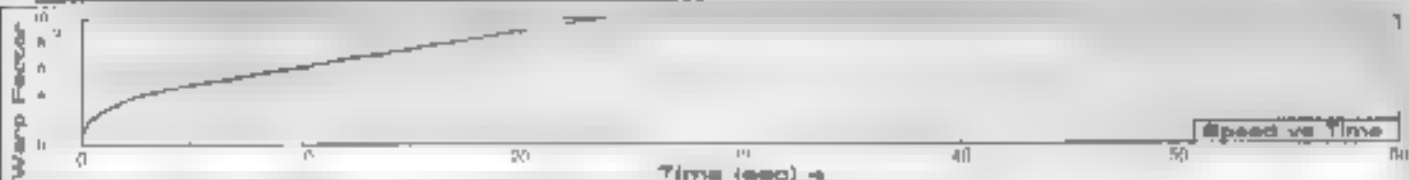
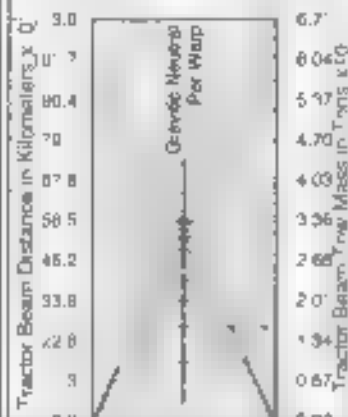
THE FOLLOWING SHIPS OF THE MM XA CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2206.11

NAME	MP	TIME	WGT	GRN	FL
1	100	100	100	100	100
2	100	100	100	100	100
3	100	100	100	100	100
4	100	100	100	100	100
5	100	100	100	100	100
6	100	100	100	100	100
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13	100	100	100	100	100
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62	100	100	100	100	100
63	100	100	100	100	100
64	100	100	100	100	100
65	100	100	100	100	100
66	100	100	100	100	100
67	100	100	100	100	100
68	100				

CLASS SHEET, 'LOST IN THE NAME OF J. Y. PROPOSED. ALL NAMES COUNSIDED WITH 7-1-1-1.

Tractor Beam Specifications

Primary Tractor Beam Load Calculation



Front Warp Field Profile
Cross Section Area 40000. 2 m²



Port Warp Field Profile
Crane Section Area 48290.97 m²



Top Warp Field Profile
Cross Sectional Area 78686.30 m²

SAMA-1 05:03:04:04

STARFLEET REFERENCE MANUAL

STAR LEAGUE CLASS

FEDERATION VESSEL

FAST CRUISER



General Information

Specific Role: The Fast Cruiser is Starfleet's answer to the all purpose high-speed starship. The cruiser is able to maintain maximum warp speeds for long periods of time due to the use of four warp nacelles which phase-shift through mixed pairs to reduce the stress on any one engine. Acceleration is also greatly increased for short periods of time by using all four engines at once. This unique engine arrangement allows the Fast Cruiser to reach areas faster than most other vessels and provide rapid tactical perimeter defense.

Physical Description: The (FH147/C-P4) primary hull is equipped with additional hull reinforcements and a small hangar deck (located on the upper starboard side). The primary hull is equipped with the RS10-N1 bridge which incorporates the enhanced sensor range station. In the lower part of the primary hull is the (SM49-4D) main sensor array and (JN4-15Y) navigational dome. Located in the port starboard and bow of the primary hull (two) top and bottom are six (BP2-74-21) phaser banks positioned on the underside of the primary hull just in front of the main sensor array is the (PH2-25-OW) photon torpedo bay. To the rear of the primary hull are (TRF45L-5-R) dual impulse coils which are used for auxiliary power and sub-light propulsion. The vessel's warp fields are generated by four (SW52-1-SKT) warp nacelles at aches in pairs, rotated 90° mounted above and below the primary hull by (DJ-40-3UT) connecting co-dornals. The vessel is also equipped with additional inertial dampeners to compensate for its increased maneuvering and acceleration capabilities. Attached to each of the dorsal is a (JN2-5-2) navigational deflector field of which are used in conjunction with the navigational shields to deflect objects out of the path of the ship. Inside the dornals are two (M-B-12-2K) internal chambers with (AMH-58-7S) gas venting for storage tanks. The storage tanks are located at the rear part of the dornals for emergency jet-boosting in the event of an emergency the primary hull can separate from either set of warp nacelles.

For additional detail refer to Datasheet MV-13

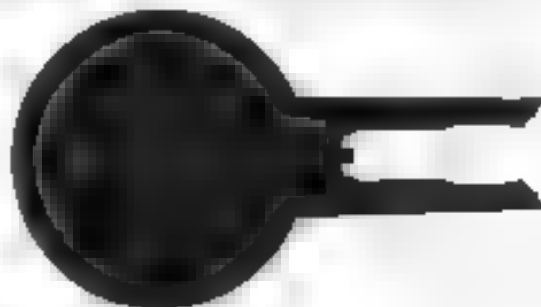
Class Emblem



Cheetah Class Fast Cruiser

Ship Silhouettes

Total Target Area 28807.88 m²
Average Target Area 9602.63 m²



Top Silhouette
Area 18471.81 m²



Port Silhouette
Area 9602.63 m²

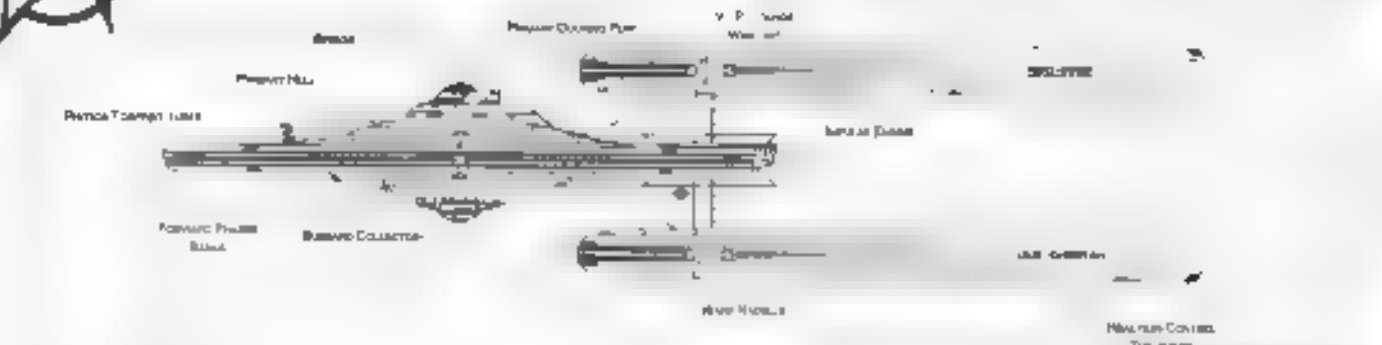


Front Silhouette
Area 2880.72 m²

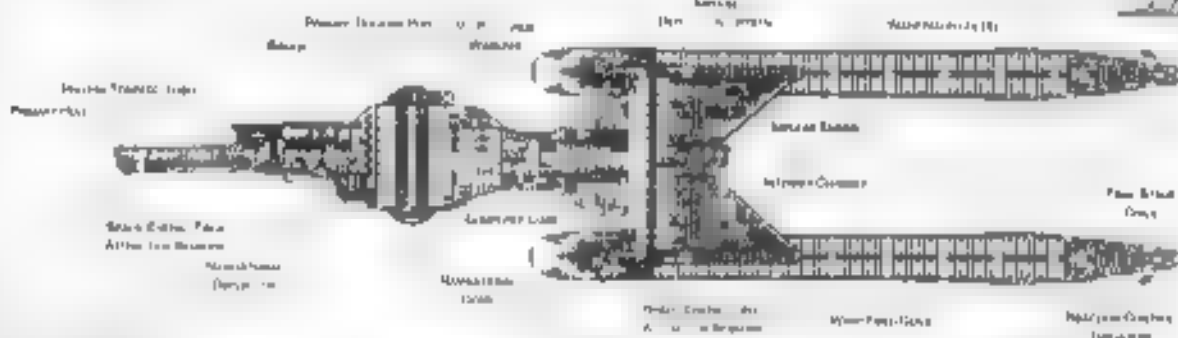


FAST CRUISER

PORT PROFILE



PORT PROFILE



CROSS SECTION

Statistics

Classification: Fast Cruiser
Category: Cruiser
Class: Fast
Type: Fast
Model: SRMA-1
Naval Construction Contract: 3000
Number Proposed: 4
Number Constructed: 10
Number in Service: 10
Number Lost: 0

Dimensions:
Overall Dimensions (Meters)
 Length: 240.00 m
 Width: 41.00 m
 Height: 34.00 m
Primary Hull Dimensions (Meters)
 Length: 40.00 m
 Width: 4.00 m
 Height: 12.00 m
Secondary Hull Dimensions (Meters)
 Length: N/A
 Width: N/A
 Height: N/A

Warp Unit Dimensions (Meters)
 Length: 154.00 m
 Width: 28.00 m
 Height: 18.00 m

Displacement (Metric Tons)
 Light: 150000 mt
 Standard: 150000 mt
 Full Load: 150000 mt

Performance:
 Impulse Units: Dual Star (RFN55-SR)
 Impulse Engine Output: 10^{12} W
 Impulse Power Index: 10
 Max Cruising: 7
 Acceleration Rate:
 0.00-0.25 Impulse: 0.10 sec
 0.25-0.50 Impulse: 0.20 sec
 0.50-0.75 Impulse: 0.30 sec
 0.75-Full Impulse: 0.40 sec
 Warp Units: 2 Naville Units SRMA-1
 Warp Engine Output: 10^{12} W
 Warp Power Index: 2.25

Optimum Speed: 7
Max Safe Cruising: 6.1
Emergency Speed: 0.1
Max Speed: 9
Destructive Speed: 0.1
Acceleration Power: 1
Acceleration Times:
 Warp 1: 0.001 sec
 Warp 2: 0.001 sec
 Warp 3: 0.001 sec
 Warp 4: 0.001 sec
 Warp 5: 0.001 sec
 Warp 6: 0.001 sec
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 Warp 93: 0.001 sec
 Warp 94: 0.001 sec
 Warp 95: 0.001 sec
 Warp 96: 0.001 sec
 Warp 97: 0.001 sec
 Warp 98: 0.001 sec
 Warp 99: 0.001 sec
 Warp 100: 0.001 sec

Duration (Years)
 Standard: 1 Year
 Maximum: 10 Years
Std. Ship Complement: 240
Officers: 67
Crew (Basic Crew): 270
Troops: 10
Passengers: 30
Emergency condition: + 200

Medical Facilities:
 Doctor:
Medical Staff: 7
Operating Room: 2
Beds: 10

Laboratory: 5
Transporters Total: 4
 1 Person: 0
 2 Person: 0
 3 Person: 0
 4 Person: 0
 5 Person: 0
 6 Person: 0
 7 Person: 0
 8 Person: 0
 9 Person: 0
 10 Person: 0
 11 Person: 0
 12 Person: 0
 13 Person: 0
 14 Person: 0
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 97 Person: 0
 98 Person: 0
 99 Person: 0
 100 Person: 0

Bridge:
 Replicator: 4
 Vision Scope:
 Tor. Aperture: 10^{10} m
 Max Range: 10^{10} m
Cargo Specifications:
 Standard Cargo Units: 100
 Cargo Capacity: 10000
Shuttlecraft Specifications:
 Docking Ports:
 Shuttlecraft Bay Total: 1
 Small Bay: 1
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0
Shuttlecraft Standard: 17
 Work Room:
 Travel Pod:
 Aquatic Shuttle:
 Light Shuttle: 0
 Standard Shuttle:
 Heavy Shuttle: 1
 Cargo Shuttle:
 Assault Shuttle: 0
 Elite: 0
 Light Fighter: 0
 Fighter: 0
 Heavy Fighter: 0
Lifboats: 0
 Torpedo (0 person): 22
 Lifboat (0 person): 0
 Lifboat (10 person): 4
 Lifboat (100 person): 0
Clothing Services: 0
Stensor Index Values:
 Planetary Survey: 0.75
 Strategic Survey: 0.75
 Short Range: 0.00
 Long Range: 0.00
 Navigation: 10
 Special: 0.00
Computers:
 Type: Deuteron Deuteron-111
 Type: Deuteron Deuteron-111

ECM Index: 0.00
Shield Rating:
 Shield Index: 0.00
 Shield Power: 0.00
 Shield Rate: 0.00
 Breakdown Rate: 0.00
 Shield Dimensions (Meters):
 Length: 0.00 m
 Width: 0.00 m
 Height: 0.00 m
Weapons:
 Phaser Power Index: 0.00
 Photon Power Index: 0.00
 Vessel Power Index: 0.00
Weapon Placement:
 Beam (Photon) Total: 0 Bay 2 Bay
 Output: 0.00 W 2 Bay W
 Range: 10^{10} m
 Rate of Fire: 0.00 rpm/Sec
 Forward Banks: 0
 Port Banks: 0
 Starboard Banks: 0
 Upper Banks: 0
 Lower Banks: 0
Beam (Photon) Total: 0
 Output: N/A
 Range: N/A
 Rate of Fire: N/A
 Forward Banks: 0
 Port Banks: 0
 Starboard Banks: 0
 Upper Banks: 0
 Lower Banks: 0
Torpedoes (Photon) Total: 2 Bay
 Output: 0.00 W
 Range: 10^{10} m
 Rate of Fire: 0.00 rpm/Sec
 Forward Banks: 0
 Port Banks: 0
 Starboard Banks: 0
 Upper Banks: 0
 Lower Banks: 0

PORTAL IDN VESSEL





FAST CRUISER

Ship Names

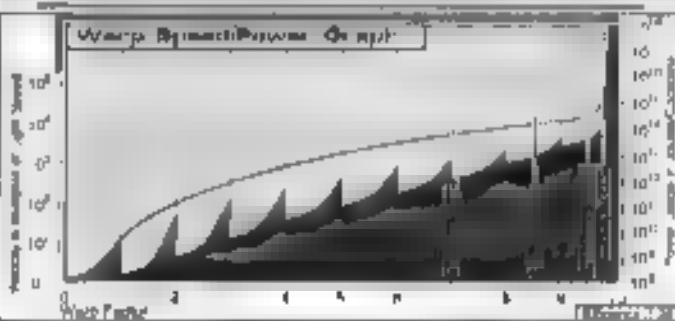
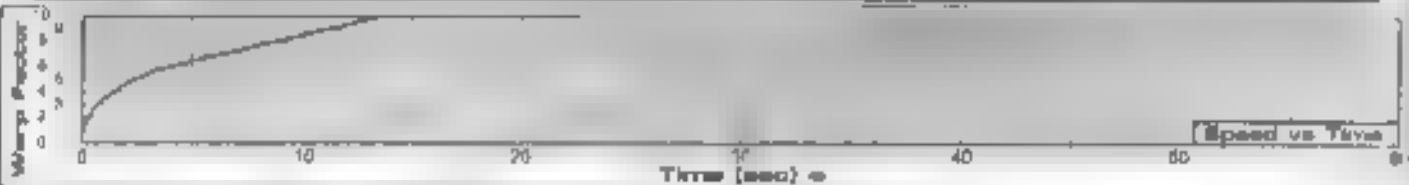
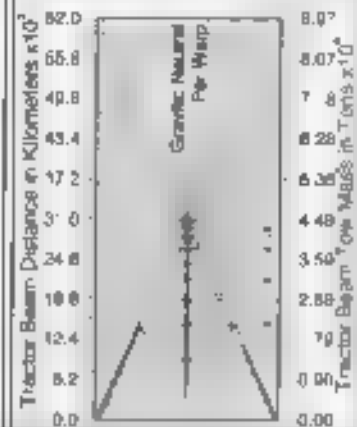
THE FOLLOWING SHIPS OF THE MK XVII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STANDARDS 0278.10

ALFRED - NCC 3426	MONTGOMERY - NCC 3433
ALLRED - NCC 3428	NEPHEW - NCC 3435
BAHNER - NCC 3430	NEW - NCC 3437
BERY - NCC 3432	ODIN - NCC 3439
BOLEY - NCC 3434	PARNE - NCC 3441
CANNON - NCC 3436	RE - NCC 3443
ADAMIAN - NCC 3438	SIL - NCC 3445
II - NCC 3440	SIL - NCC 3447
DOBBINS - NCC 3442	SE - NCC 3449
LYESS - NCC 3444	TAMLEY - NCC 3451
INDIAN - NCC 3446	WIL - NCC 3453
PAW - NCC 3448	WILES - NCC 3455
PARRON - NCC 3450	WE - NCC 3457
GRAYDON - NCC 3452	WILEY - NCC 3459
THAYANIMA - NCC 3454	WILSON - NCC 3461
QUINTON - NCC 3456	YES - NCC 3463
JAMES - NCC 3458	ZURCHOW - NCC 3465
HAMMILL - NCC 3460	
HEMANNIE - NCC 3462	
K - NCC 3464	
II - NCC 3466	
KIRLAND - NCC 3468	
KIRWAN - NCC 3470	
AND - NCC 3472	
AND - NCC 3474	

CLASS SHIP. LISTED IN THE LINE OF DUTY. PROPOSED ALL NAMES FORWARDED WITH S.A.S.

Tractor Beam Specifications

Primary Tractor Beam Load Factor



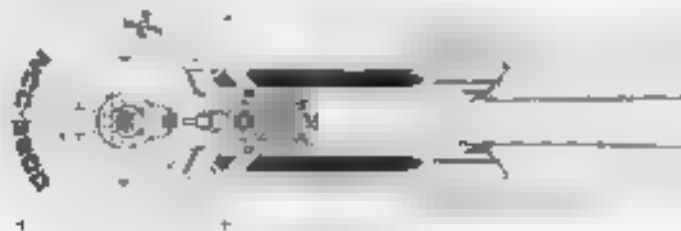
Plane Length 240.51m
Plane Width 121.25m
Plane Height 25.24m



Front Warp Field Profile
Cross Section Area 12347.50 m²



Port Warp Field Profile
Cross Section Area 43208.81 m²



Top Warp Field Profile
Cross Section Area 77888.83 m²

HEAVY CRUISER



General Information

Specific Role: The Heavy Cruiser is the most versatile and widely recognized starship in the Federation. Equipped with both extensive laboratories and weapon systems, the vessel can easily conduct both research and military operations. The Cruiser is often used as a research platform in areas that are too dangerous for dedicated research vessels. The Heavy Cruiser has proven to be the most successful starship design in Starfleet's inventory, exhibiting an ideal blend of speed, power and performance. Very often, due to the versatility of the vessel, it is called upon for a number of roles.

Physical Description: The PH-47/C-37 primary hull is equipped with the (BS-0/C-H2) bridge. On the lower part of the primary hull is the (SM-19-24) main sensor array and (DN-4/10H) navigational dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (H-2-10-21) phaser banks. Forward, the rear of the secondary hull (above the hangar deck) are two (H-2-10-21) phaser banks. On the ventral side of the secondary hull are four additional (H-2-10-21) phaser banks. The rear of the primary hull are (H-35E-41-3) dual impulse units which are used for auxiliary power and sub-light propulsion. The vessel's warp fields are generated by two (SW-52-5K7) warp cores which are fed by (H-31-7/C-2) secondary fuel by (H-15-4H) support pylons. The primary and secondary hulls are joined by the (H-10-4H) connecting dorsal. Located on the front of the secondary hull is the (DN-2-1-4) navigational sensor used to assist in detecting and tracking incoming projectiles. To the rear of the secondary hull is the (H-10-4H) hangar deck. To hang through the bottom is the (M-25-14-26) intermix chamber. The (AM-15-4H) nuclear and fusion storage tanks are located in the forward lower secondary hull. The (H-10-4H) dorsal spine for emergency ejection. Besides between the dorsal and the secondary hull is a forward wing (H-2-25-10) photonic torpedo bay. In the event of an emergency, the primary and secondary hulls can separate, each being able to carry its own power complement. Once separated, the primary hull can maneuver on impulse power for extended periods of time.

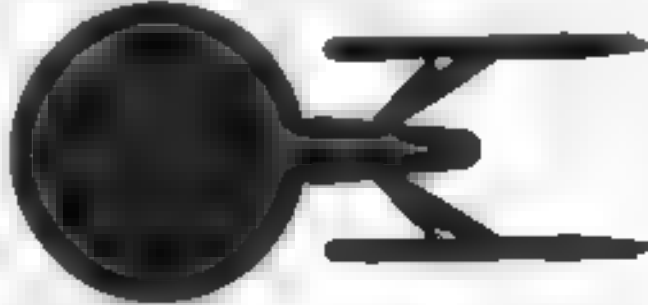
For additional details refer to Data sheet MV-2.

Class Emblem



Ship Silhouettes

Total Target Area: 3483.13 m²
Average Target Area: 11642.71 m²



Top Silhouette
Area: 8271.42 m²



Port Silhouette
Area: 8917.88 m²



Front Silhouette
Area: 4008.6 m²



FEDERATION VESSEL



CASE STUDY SECTION

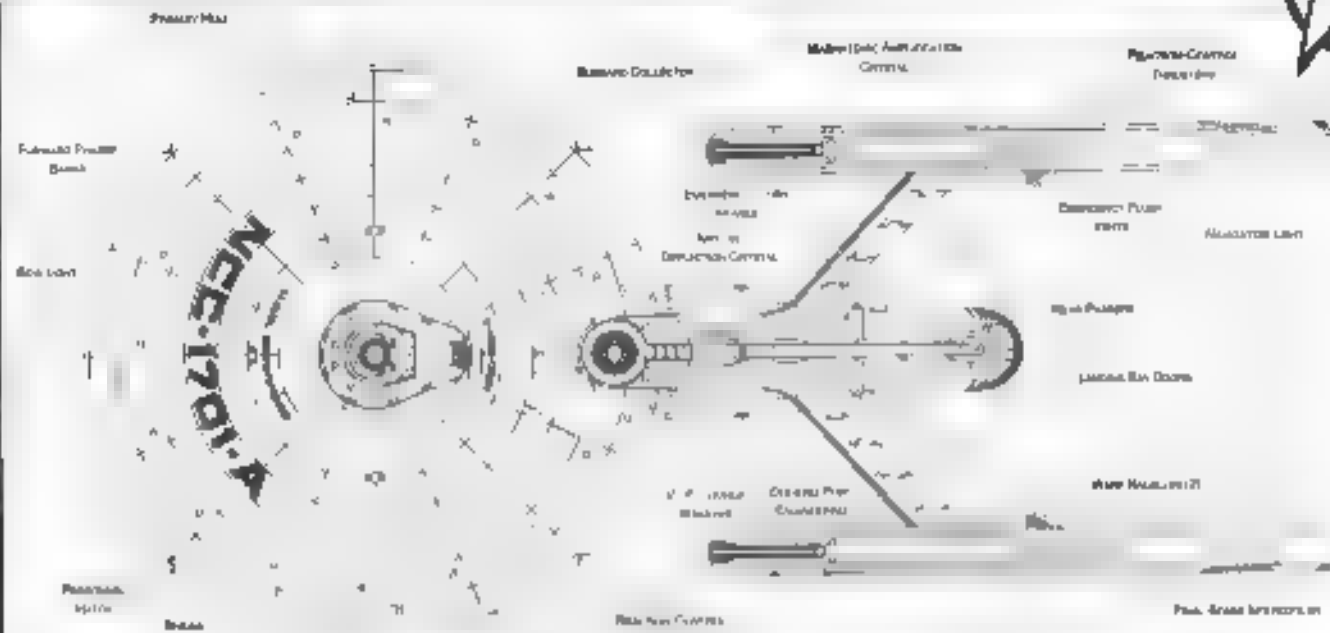
Statistics

Cyclotron Speed: 4
Max. Size: Cratering: 8
Emergency Record: A
Max. Speed: U
Destructive Speed: 4.28
Acceleration Power: 3
Acceleration Time:
Warp 1 Warp 2 0.2 sec
Warp 2 Warp 3 1.3 sec
Warp 3 Warp 4 2 sec
Warp 4 Warp 5 10 sec
Warp 5 Warp 6 30 sec
Warp 6 Warp 7 sec
Warp 7 Warp 8 3.5 sec
Warp 8 Warp 9 10 sec
Warp 9 Warp 0.5 5 sec
Warp 0.5 Warp 0.75 5.5 sec
Warp 0.75 Warp 0.9 10.7 sec
(Duration: 7 years)
Standard: 4 Years
Maximum: 14 Years
And Ships Complement: 434
Officers:
Crew (Design Grade): 350
Troops:
Passengers: 50
Emergency condition: + 900
Medical Facilities:
Biorisk: 4
Medical Staff: 8
Operating Rooms: 3
Beds: 21
Laboratories: 8
Transporters Total: 3
Person: 8
2 Person: 0
4 Person: 4
12 Person: 0
24 Person: 4
Small Cargo: 2
Medium Cargo: 2
Large Cargo: 0
Woods Cargo: 0

Wings
Wingloadings in
Tons/100 Wings
Tom Capacity: 200000 lb
Max Wings: 1000000
Cargo Specifications:
Standard Cargo Units AND
Cargo Capacity: 1000000
Mini Aircraft Specifications:
Landing Pads:
Subtlercraft Baya Totak
Small Bay:
Medium Bay:
Large Bay:
Super Bay:
MiniAircraft Standard: 24
Wish Boats
Travel Pods: 2
Aquatic Shuttle:
Light Shuttle
Standard Shuttle:
Heavy Shuttle:
Cargo Shuttle:
Assault Shuttle:
Killer Boats
Light Fighter: 6
Fighter:
Heavy Fighter: 3
Lifeboats: 45
TurboLift (8 persons): 25
Lifeboats (10 persons): 14
Lifeboats (20 persons): 6
Lifeboats (30 persons): 4
Cooking Devices
Soyan: 10000 Values
Planetary Survey: 00
Beacon Survey: 00
Batter Range: 00
Long Range: 00
Navigation: 00
Special: 00
Component 2
Type: Cynosure Destructive
Type: Cynosure Destructive

ECM Index: ON
Shield Rating:
Shield Index: 100
Shield Power: max 100 W
Refresh Rate: 460 Hz
Breakdown Rate: 9.97111 W
Shield Dimensions (Metric)
Length: 4' 7m
Width: 6m
Height: 107m
Weapons:
Phase Power Index: ON
Phase Power Index: 10
Weapon Power Index: 00
Weapon Placement:
Beam (Powers) Total: 8 bursts 2 each
Output to U' W' N' S' W' W'
Range: 2 N' W' N'
Rate of Fire: 10 per/10m
Forward Beam: 2
Star Beam: 4
Port Beam: 2
Starboard Beam: 2
Upper Beam: 0
Lower Beam: 2
Beam (Wings/Powers) Total: 0
Output: N/A
Range: N/A
Rate of Fire: 100
Forward/Star Beam: 0
Port/Starboard Beam: 0
Upper/Lower Beam: 0
Torpedoes (Phase) Total: 2 Rays
Stock: 45
Range: 2000 m
Output: 10-50 M'
Rate of Fire: 10 per
Forward Bay:
Star Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

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Pavilion of the Future

Frank Lloyd Wright

Exhibition Space

Auditorium

Lobby

Pavilion Plaza

Frank Lloyd Wright

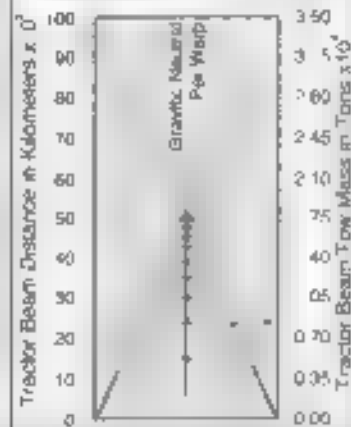


Ship Names

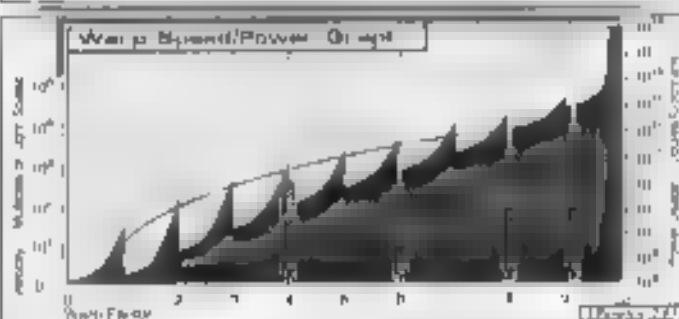
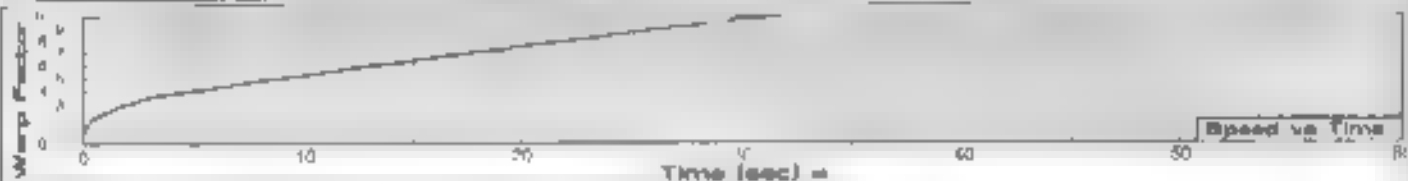
Traction Beam Specifications

Primary Tumor Search and Categorization

4 HERMAN N	739	ALINA N	184	MUNI OR N	9	TALAH N	783
4 FERRA N	78	GHAI NI	188	NDELE N	154	TA N	79
4 FF NOL	74	GHANIN N	48	OSIN N	2	TEMA N	789
4 GIL 15 N	38	HAI N	187	YAHAI N	111	HE ON N	742
4 KIMMY N	102	HOO N	1	PAL AH N	751	ON IS N	74
4 RI NOL	73	KINE N	4	PARI N	75	TOM N	75
4S NAI N	750	KINIK N	48	PI N	14	TUM N	771
4MUKWAM N	1418	KIPPI P	108	PHAY N	16	VALANT N	108
4S N	1	KIN N	184	PI N	15	VI A N	10
4N N A ON	728	KUP N	74	POI N	15	WASP N	72
4N N N N	100	KAI SA N	783	PRO N	151	XAY N	743
4FFAMCT N	1	KAIS N	101	PROXIA N	3	XAY N	157
		KASAM N	184	QDA N	11	YRKTYAN N	704
		KI N	185	II NDAI N	130	ZAHN N	16
		KI N	784	II AN N	1	ZI AHAN N	780
		KONAT N	1	II N	19	ZIHAN N	158
		KI N	106	RI KIN N	16		
		LAI N	16	SA A N	74		
		KAI N	10	SAMANA N	15		
		MA N	11	SA N	14		
		ME N	1	SHAI N	745		
		MI N	13	SHAI N	70		
		MI N	101	SHAI N	64		
		MI N	10	SHAI N	1		
		MI N	115	SHAI N	1		



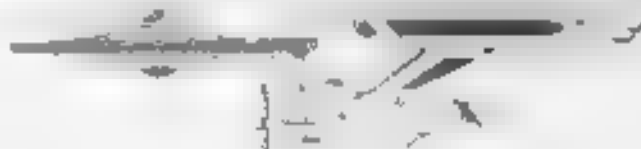
CLASSIFIED IN THE LINE OF DUTY. "ETTERED, ALL NAMES PRECEDED WITH U.S.S."



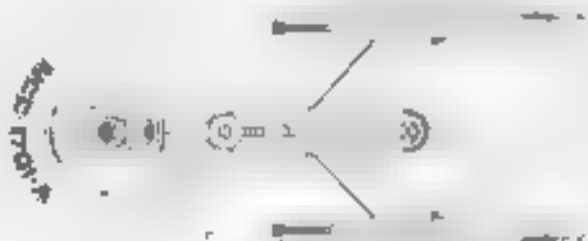
Field Larkspur 華翠雀, 7 畝
Field Vicia 蠶豆, 7 畝
Field Hesperis 紫羅蘭, 1 畝



Front Warp Field Profile
Cross Section Area 14030.46 m²



Port Warp Field Profile
Cross Section Area 36700.00 m²



Top Warp Field Profile
Cross Section Area = 1032.74 m²

WARP FIELDS

SRMA-1 05:03:06:04

STARFLEET REFERENCE MANUAL

ENTREPRISE CLASS

FEDERATION VESSEL

LIGHT CRUISER



General Information

Specific Role: By using modular components and cost effective assembly techniques Starfleet was able to add a Light Cruiser to its comprehensive inventory. Equipped with moderate sensors, weapons and weapons systems, the vessel conducts both research and military operations as an economic asset. The cruiser is often used as a light research platform in areas where a dedicated research vessel may not be able to defend itself.

Physical Description: The (P11147/01-4) primary hull module is reinforced to compensate for the stress created by attachment of warp nacelles directly to the hull. A small hangar deck is located on the upper starboard side. The vessel is equipped with the (DS10/01-3) bridge. On the lower part of the primary hull is the (SM49/2W) main sensor array, (DN4/5H) navigational dome, located on the top of the primary hull is the forward facing and (PM2/25/0W) torpedo bay. Located on the port starboard and bow of the primary hull (both top and bottom) are six (10/2/30/2) phaser banks. Toward rear of the primary hull are (R3/5E/5-AF) dual impulse units which are used for auxiliary power and sublight propulsion. The vessels warp fields are generated by two (SW52/1/5DB) warp nacelles attached to both sides of the primary hull (01-26/3S) running deck domes. Located horizontally across the rear of the primary hull just inside each pylon is the (M3/1/2E) intermix chamber. The (AMK/40/4T) nuclear antimatter storage tanks are located on the rear part of the hull along the outer edge for emergency propulsion. In the event of an emergency, the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional detail refer to Datasheet MV 10

Class Emblem



Ship Silhouettes

Total Target Area 88188.33 m²
Average Target Area 8718.83 m²



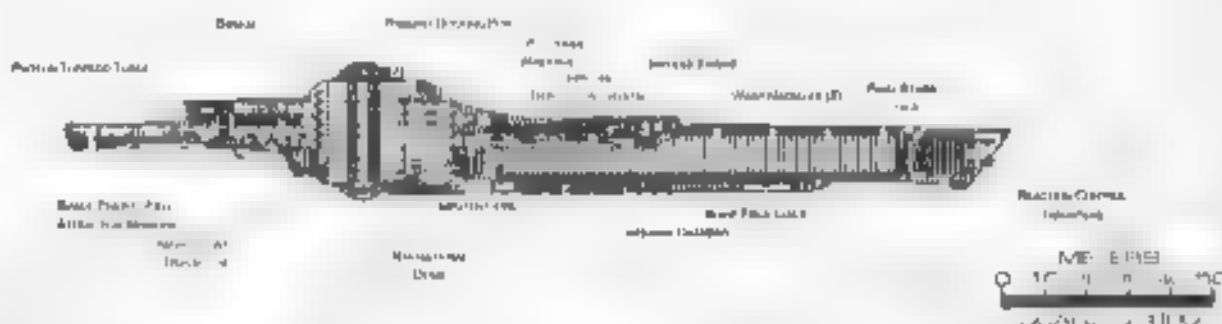
Top Silhouette
Area 80843.92 m²



Port Silhouette
Area 20882.9 m²



Front Silhouette
Area 20851.1 m²



CROSS SECTION

Statistics

Classification: APC C-130H
Crane Age: 2000
Crane Model:
Crane Type: Lull
Model: HX 3300
Rated Capacities (Capacity): 600
Number Engaged: 10
Number Installed: 42
Number in Service: 42
Number Lost: 0
Dimensions:
Overall Dimensions (feet/in)
Length: 72' 9" m
Width: 30' 0" m
Height: 11' 9 1/2" m
Primary Hull Dimensions (feet/in)
Length: 48' 0" m
Width: 14' 12" m
Height: 31' 4 1/2" m
Secondary Hull Dimensions (feet/in)
Length: N/A
Width: N/A
Height: N/A
Wing Unit Dimensions (feet/in)
Length: 16' 8" m
Width: 2' 8" m
Height: 52" m
Displacement (Metric Tons)
Light: 20787 m
Standard: 129404 m
Full Load: 44456 m

Performance:
Engine Make: Westinghouse
Engine Model: 6B-61-W
Engine Power Output: 52
Max Crating:
Acceleration Rate:
0.00-0.25 Impulse: 0.11 sec
0.25-0.50 Impulse: 0.10 sec
0.50-0.75 Impulse: 0.20 sec
0.75-1.00 Impulse: 0.20 sec
Wing Make: Lull
Wing Engine Output: 2x101 W
Wing Power Input: 52

Optimum Speed: 4
Max Safe Counting: 8
Emergency Speed: 8
Max Speed: 11
Destructive Speed: 4.75
Acceleration Force: 3
Acceleration Times:
Warp 1 Warp 2: 0 sec
Warp 2 Warp 3: 0 sec
Warp 3 Warp 4: 1.25 sec
Warp 4 Warp 5: 4 sec
Warp 5 Warp 6: 2.75 sec
Warp 6 Warp 7: 3 sec
Warp 7 Warp 8: 7.5 sec
Warp 8 Warp 9: 2.5 sec
Warp 9 Warp 10: 6.75 sec
Warp 10 Warp 11: 5.75 sec
Warp 11 Warp 12: 2.05 sec
Duration (Years)
Standard: 4 Year-3
Maximum: 15 Year-8
Bed Ship Complement: 347
Crew: 6
Crew (Emergency) Complement: 780
Troops: 11
Passengers: 30
Emergency condition: + 466
Medical Facilities:
Doctors: 3
Medical Staff: 7
Operating Rooms: 2
Beds: 8
Laboratories: 4
Synapspectrum Total: 8
1 Person: 0
2 Person: 0
3 Person: 3
12 Person: 0
24 Person: 3
Small Cargo
Medium Cargo
Large Cargo: 0
Robot Cargo: 0

Cargo: 4
 Respirators: 10
 Toxic Gas Beams:
 Toxic Gaseously 7 (4000 m)
 Mega Gaseous 20 (4000)
 Cargo Specialization:
 Manufactured Cargo Units: 100
 Cargo Capacity: 21-2100
 Miscellaneous Specializations:
 Docking Ports:
 Miscellaneous Mega Tons:
 Small Bay
 Medium Bay 0
 Large Bay 0
 Super Bay 0
 Miscellaneous Standard: 5
 Work Beams:
 Tactical Pods:
 Aquatic Shields: 4
 Light Shields: 4
 Shielded Shields:
 Heavy Shields: 4
 Cargo Shields:
 Assault Shields: 3
 Killer Beams: 2
 Light Fighters: 2
 Fighter: 4
 Heavy Fighters: 2
 Lifeships: 3
 Turbo-Lift 18 persons: 16
 Lifeship (10 persons): 2
 Lifeship (30 persons): 6
 Lifeship (50 persons): 0
 Cloaking Devices: 0
 Sensor Index Values:
 Planetary Security: 0.95
 Stellar Security: 0.98
 Short Range: 0.95
 Long Range: 0.97
 Navigation: 0.90
 Special: 0.94
 Computers: 2
 Type: Daydream Electronics
 Term: Daydream Electronics

ECM INKPS 0:10
Shield Rating:
Shield Index: 15
Shielded Power: 2.44 x 10¹² W
Halfway Rate: 4.0 x 10¹¹ W
Breakdown Rate: 1.2 x 10¹⁰ W
Shield Dimensions (Meters)
Length: 131.4 m
Width: 759 m
Height: 49.4 m
Weapons:
Phaser Power Index: 12
Phaser Power Index: 33
Yielded Power Index: 77
Weapon Placement:
Beam (Phaser) Total: 4 banks 2 each
Output: 1 x 10¹¹ W Phase 1 W
Range: 2 x 10¹² km
Rate of Fire: 10 rpm/Con
Forward Banks: 2
Star Banks: 0
Port Banks: 2
Starboard Banks: 2
Upper Banks: 1
Lower Banks: 0
Beam (MegaPhaser) Total: 0
Output: NA
Range: NA
Rate of Fire: NA
Forward/Star Banks: 0
Port/Starboard Banks: 0
Upper/Lower Banks: 0
Torpedoes (Phaser) Total: 2 Bays
Stock: 0
Range: 2 x 10¹² km
Output: 0-50 MW
Rate of Fire: 10 rpm
Forward Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0



Ship Names

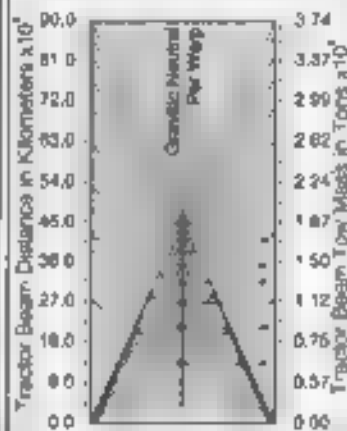
THE FOLLOWING SHIPS OF THE MK XN₂ CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2255.10

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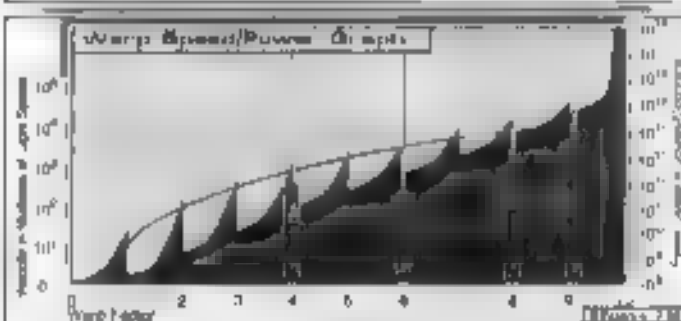
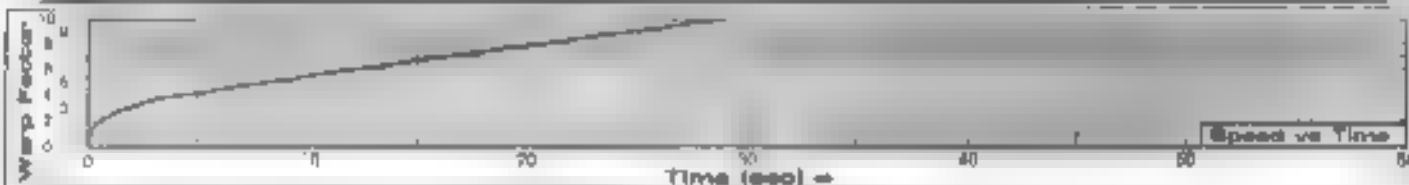
BARNHART NCC 1434
BAUTIST NCC 1452
BAYVIEW NCC 1400
BETHLEHEM NCC 1477
BIRMINGHAM NCC 1429
BLISS NCC 41
BURLAND NCC 1400
CAMP 3144 NCC 1447
TALLEGON NCC 1440
THE HATTON NCC 1454
THURMAN NCC 430
JANNEY NCC 1400
LAWRENCE NCC 1452
MAYNARD NCC 4
MILWAUKEE NCC 431
MILWAUKEE NCC 433
MILWAUKEE NCC 47
MILWAUKEE NCC 1400
WOLFGANG NCC 4
WYNN NCC 144
WYNN NCC 1436
WYNN NCC 431
WYNN NCC 418

Tractor Beam Specifications

Primary Tractor Beam Load Calculations



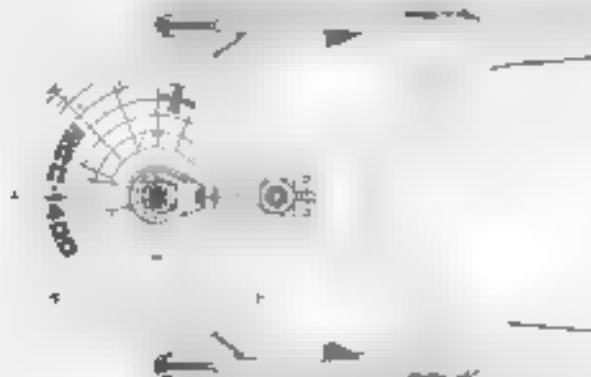
'CLASH' W/RE. 'LOST IN THE LINE OF DUTY.' 'RECORDED. ALL NAMES RECORDED WITH "L.O.D."



Field Length 600 000
Field Width 100 000
Field Interval 10 000



Front Warp Field Profile
Cross Section Area 8950.75 m²

Port Warp Field Profile
Cross Section Area 14414.88 m²

Top Warp Field Profile
Cross Section Area 88433.01 m²

SHANKS CLASS

FEDERATION VESSEL

ASSAULT FRIGATE



General Information

Specific Role: The Assault Frigate is the dreadnought of frigates. Starfleet found that a swift heavy frigate was needed to patrol colonies near Federation borders, provide troop support and system defense. The additional warp nacelle provides the Assault Frigate with necessary agility to deal with attack craft and system defense ships.

Physical Description: The Frigate incorporates an PHE147/FM5 extended primary hull equipped with heavy weapons, shielding, and ECM/EW/M devices, as well as a LS031K1 bridge which incorporates the major weapons systems. Mounted on the underside of the primary hull is the integrated (SM49-84) main sensor array and (N4-1W) navigation dome. Located on the port/starboard and bow of the primary hull both top and bottom are six (B2-4020) phaser banks. Port and starboard on the upper primary hull forward of the raised extension are six (N2-F42) navigational deflector spars, energy field deflectors, sensors used to assist the navigational deflector in deflecting incoming debris and dust for space energy fields. Mounted on the rear of the primary hull are (H-RGF-5-1) dual impulse units which are used for auxiliary power and sublight propulsion. Two auxiliary hangar decks are installed, one on either side of the impulse engines on the rear of the primary hull. The vessel's warp fields are generated by three (SW52-5K3) warp nacelles attached to the primary hull by (1-125K1) support pylons. The third nacelle is located between the first two and is supported by two (1-125K1) support pylons. Within the primary hull are the (M40-432) ion engine, (AMR-4250) nuclear reactor for storage tanks. The nuclear reactor storage tanks are situated in the bottom of the hull just below the impulse engines for emergency propulsion. Above the primary hull extension are two (MP27-520) MegaPhasers. Above the hangar bay and supported by the (1-125K1) support pylons are two (MP27-520) MegaPhasers. Above the hangar bay and supported by the (1-125K1) support pylons are two (MP27-520) MegaPhasers. In the event of an emergency the primary hull can separate from either the left or right pair (middle nacelle inclusive) of warp nacelles and proceed on the remaining nacelle or impulse power.

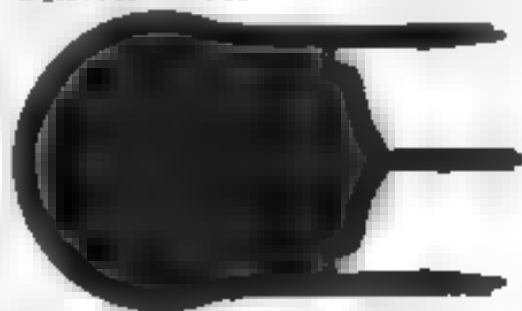
For additional detail refer to Data sheet MV-20

Class Emblem



Ship Silhouettes

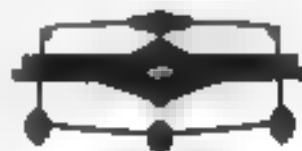
Total Target Area 30369.08 m²
Average Target Area 13108.08 m²



Top Silhouette
Area 887.807 m²



Port Silhouette
Area 6987.94 m²



Front Silhouette
Area 2718.5 m²



Ship Names

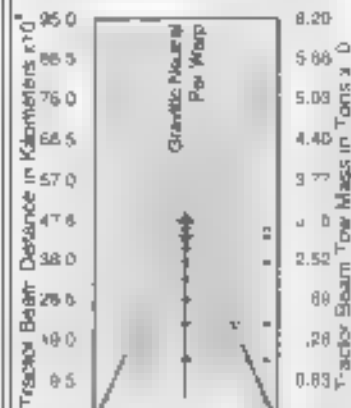
THE FOLLOWING SHIPS OF THE MK XVI CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2270.9

[illegible]

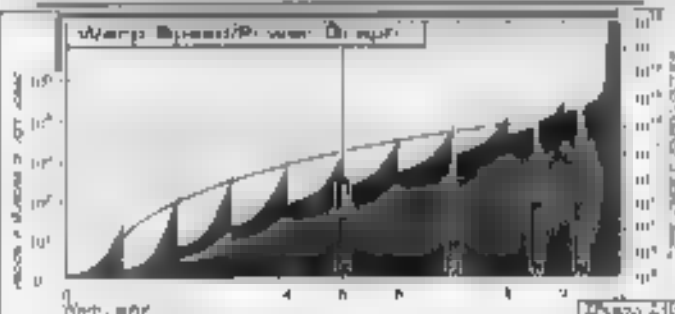
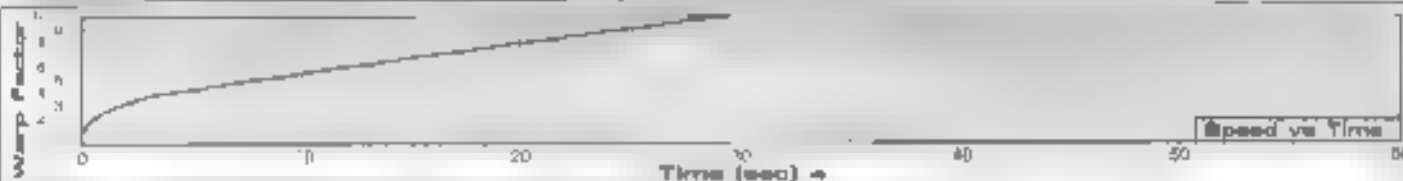
WCU, ARE, 4L, JQC
YOS¹, HC, J604

Traction Beam Specifications

Primary Trajectory Beam Line Calculator



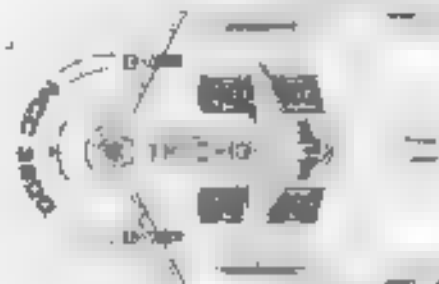
CLASSSHIP, LIST IN THE LINE OF DUTY. PROPOSED ALL NAMES ENCLOSED WITH 34-35.



Field Laptop 4 个, 每部 \$700
Field Work 200 个 \$1000
Field Messengers 4 个, 300 个



Front Warp Field Profile
Cross Section Area: 15783.53 m²

Port Warp Field Profile
Cross Section Area 30724.41 m²

Top Warp Field Profile
Cross Section Area: 24880.48 m²

COMANCHE CLASS

FEDERATION VESSEL

ATTACK FRIGATE



General Information

Specific Role: The Attack Frigate is designed for surgical attacks while supporting troop placement in conflicted areas. The Attack Frigate is designed to increase the effectiveness of the of the Heavy Frigate through the use of Turreted Multi Phase Mega Phasers. While Multi Phase Mega Phasers are not as powerful as Megaphasers there ability to Phase Shift the spectrum during the pulse allows the beam to be adjusted for maximum penetration.

Physical Description: The Attack Frigate incorporates an PHE147 F.A. extended primary hull with a weapons platform extension to the rear and a (DS)2 F.T.7 bridge which contains a larger weapons station and tracking station. The vessel is also equipped with extensive shielding and experimental ECM/F.C.M gear. Mounted on the underside of the primary hull is the integrated (SM4) 1K main sensor array and (LN)4 3 V navigation dome. Located on the port starboard and bow of the primary hull both top and bottom are six (BP2 30 20) phaser banks. Port and starboard on the upper primary hull forward of the mid-sext extension are (LN2/G 4 2) navigational deflector space energy field attraction sensors used to assist the navigational shields in deflecting oncoming debris and monitor space energy fields. Mounted in the rear of the primary hull are (F186F 9 11) dual impulse injects which are used for auxiliary power and sub light propulsion. Two medium hangar decks are installed one on either side of the weapons platform extension at the rear of the primary hull. The vessels warp fields are generated by two (HW5a 2 5) F1 warp nacelles attached to the primary hull by (DL 75 0A) support pylons. Within the primary hull are the (M16 4 2) inter-trail chamber and AMB. Its 4ip matter is amatter storage tanks. The matter animatter storage tanks are situated in the mid-sext of the hull just below the impulse engines for emergency jettisoning. The Frigate is armed with four MPPT2 5 20 Multi Phase Mega Phasers. The upper turret is mounted by a (DL 75 70) support pylon and the lower is connected by the (DL 74 40) support pylon. The port and starboard turrets are connected in (DL 24 1 0) support pylons. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and powered on the remaining nacelle or impulse power.

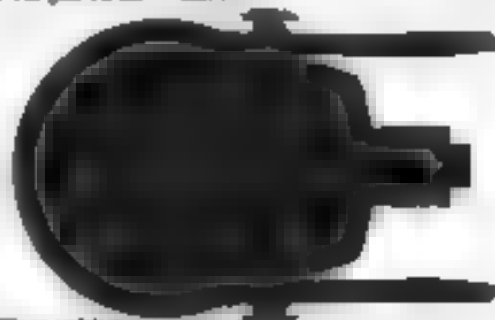
For additional detail refer to Datasheet MV 24

Class Emblem



Ship Silhouettes

Total Target Area 34887.22 m²
Average Target Area 1129.57 m²



Top Silhouette
Area 82807.77 m²



Port Silhouette
Area 7881.84 m²

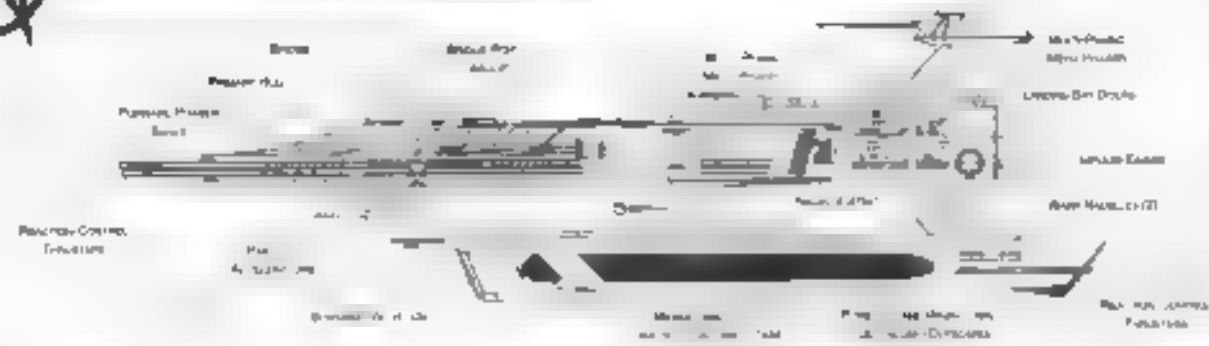


Front Silhouette
Area 2187.88 m²

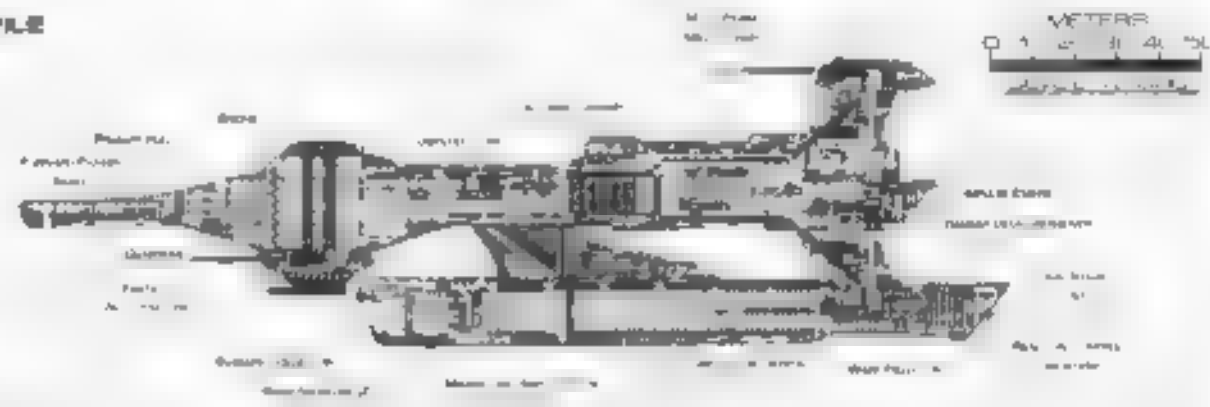


ATTACK FRIGATE

SCIENCE CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification: Attack Frigate
Category: Frigate
Class: Frigate
Type: Frigate
Model: N17a
Naval Construction Control: N17
Number: Proposed: 11
Number: Built: 10
Number: In Service: 10
Number: Lost: 0
Dimensions:
 Overall Dimensions (Meters)
 Length: 144 m
 Width: 28 m
 Height: 18 m
 Primary Hull Dimensions (Meters)
 Length: 74 m
 Width: 4 m
 Height: 11 m
 Secondary Hull Dimensions (Meters)
 Length: N/A
 Width: 4 m
 Height: N/A
 Wary Vais Dimensions (Meters)
 Length: 54 m
 Width: 26 m
 Height: 10 m
Displacement: (Metric Tons)
 Light: 10,000
 Standard: 14,000
 Full Load: 20,000
Performance:
 Impulse Drive: Class 100
 Impulse Engine Output: 10,000 W
 Impulse Power Index: 0.27
 Max Cruising:
 Acceleration Rate:
 0.00-0.25 impulse: 12.5 sec
 0.25-0.50 impulse: 32.5 sec
 0.50-0.75 impulse: 45 sec
 0.75-1.00 impulse: 55 sec
 Warp Units: 4 (N17a) max (N17a-100)
 Warp Engine Output: 250 W
 Warp Power Index: 0.30

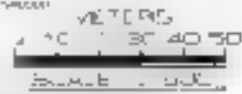
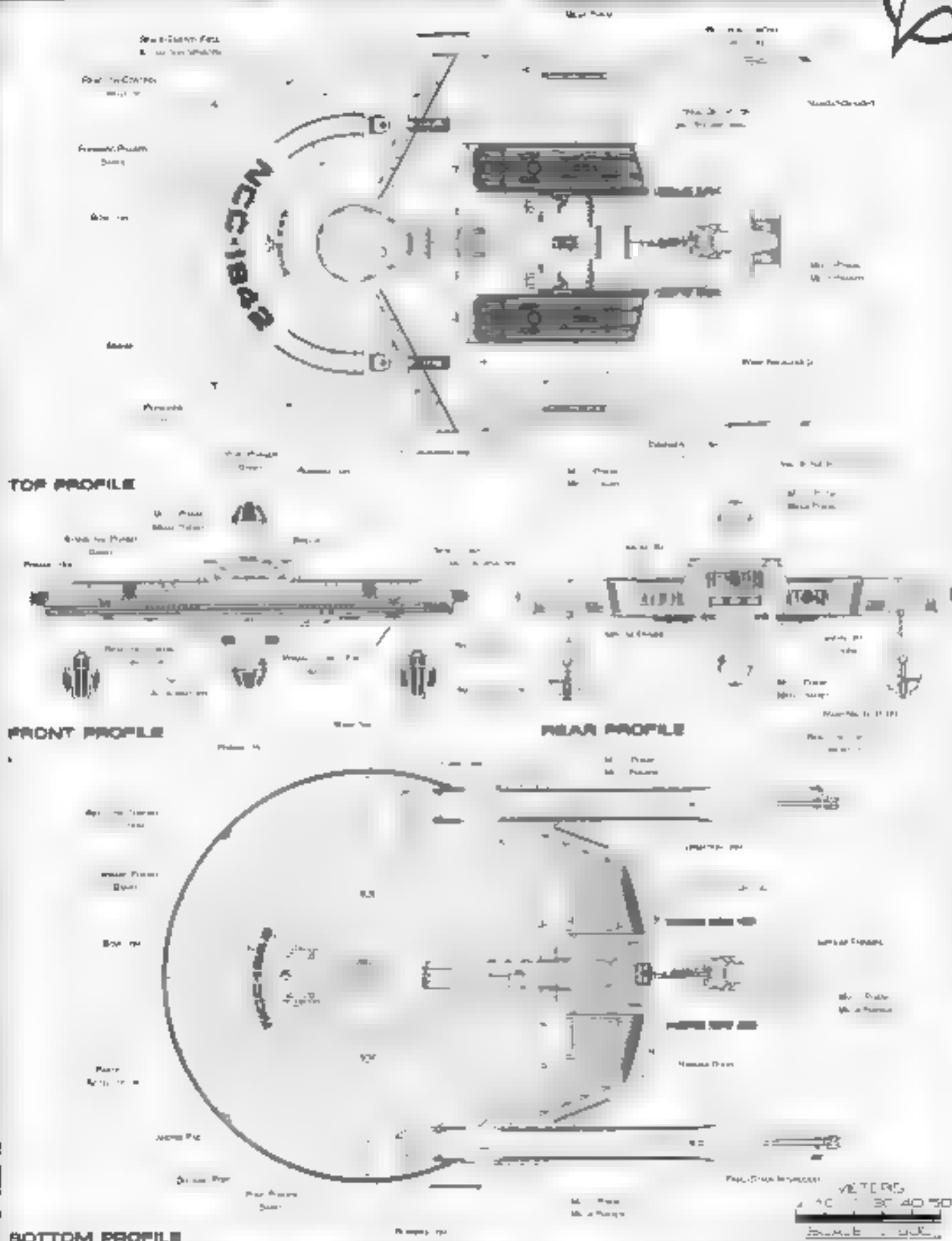
Optimum Speed: 4
Max Safe Cruising: 4
Emergency Speed: 4.25
Max Speed: 4
Destruction Speed: 4.25
Acceleration Profile: 1
Acceleration Table:
 Wary 1 Wary 2 2.5 sec
 Wary 2 Wary 3 1.5 sec
 Wary 3 Wary 4 1.5 sec
 Wary 4 Wary 5 1.5 sec
 Wary 5 Wary 6 1.5 sec
 Wary 6 Wary 7 1.5 sec
 Wary 7 Wary 8 1.5 sec
 Wary 8 Wary 9 1.5 sec
 Wary 9 Wary 10 1.5 sec
 Wary 10 Wary 11 1.5 sec
 Wary 11 Wary 12 1.5 sec
 Wary 12 Wary 13 1.5 sec
 Wary 13 Wary 14 1.5 sec
Weapons (Total):
 Standard: 4
 Maximum: 4
Officer: 54
Crew (Ranking Grade): 3.5
Passengers: 35
Emergency Evacuation: 100
Medical Facilities:
 Doctors: 4
 Medical Staff: 2
 Operating Room: 5
 Beds: 10
Laboratory: 8
Transporters: 10
 Portals: 0
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 3 Portals: 0
 4 Portals: 0
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Hundred: 1

FEDERATION VESSEL

ATTACK FRIGATE





ATTACK! FRIGATE

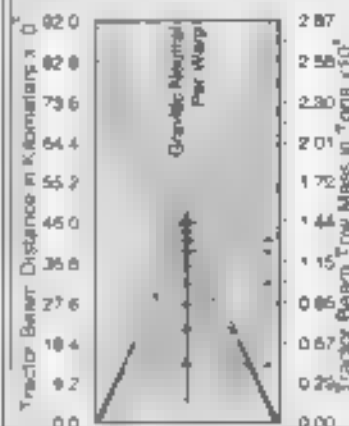
Ship Names

THE FOLLOWING SHIPS OF THE MK-III CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2267.1

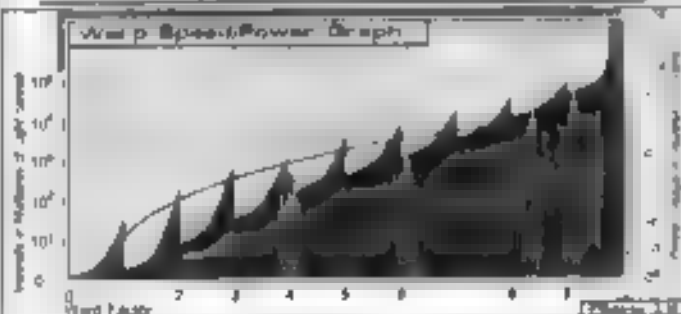
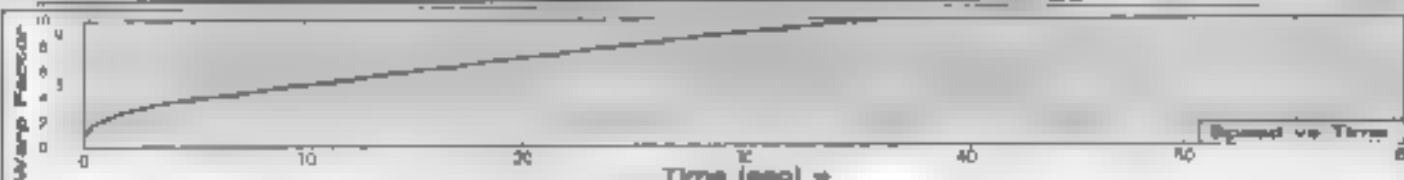
ALPHEE NCC 880
BOZEMAN NCC 194
JAVANNAUGH NCC 1968
THINIA NCC 807
DAVISON NCC 1940
ES EL NCC 344
H. ED NCC 109
SPH. MT. NCC 807
40 FNA NCC 450
MIAR NCC 241
KA SINS NCC 985
MAYBEL NCC 1153
MCKEN NCC 346
PARIS RA NCC 467
RETEUNA NCC 948
SI VAN NCC 31
SINETH NCC 890
SOYUZ NCC 947
KREMI NCC 1148
ALPK NCC 994
URBALHE NCC 983

Tractor Beam Specifications

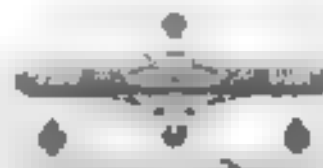
Primary Tractor Beam Load Calculator



"CLASHED" - LOST IN THE LINE OF DUTY. "TRUCKED" - ALL NAMES ASSOCIATED WITH "CLASHED"



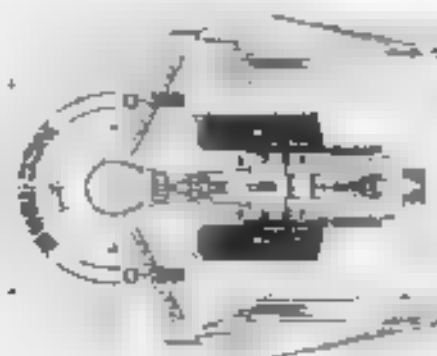
Field Length 480.84m
Field Width 808.80m
Field Height 88.33m



Front Warp Field Profile
Cross Section Area 13831.08 m^2



Port Warp Field Profile
Cross Section Area 20048.88 m^2



Top Warp Field Profile
Cross Section Area 88410.48 m^2

FRIGATE



General Information

Specific Role: Exhaustive research of Federation involvement in peace keeping duties led to the development of the Frigate, a fighting ship primarily used to transport lighter craft and troops into battle. The Frigate's small stout package presents minimal silhouette target area to enemy weapons. The Frigate is equipped with a speed-in hangar bay designed to launch and maintain a single wing of lighter craft. To increase the firepower of the Frigate, two MegaPlexers were added to the primary hull and are powered directly off the impulse chamber. Troops are carried aboard at all times and can use either assault shuttles or transporters to reach specific planetary engagements.

Physical Description: The Frigate incorporates an P115-47 F-M2 extended primary hull equipped with heavy weapons shielding and ECM devices, as well as a Bx4-F12 bridge which contains a larger weapons section. Mounted on the underside of the primary hull is the integrated SM49-50 main sensor array and (DN4-2-G) navigation dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (2-30-20) phaser hull cannons and starboard on the upper primary hull forward of the raised extension are (M2-T4-2) navigational deflector space energy field at rear sensors used to assist the navigational shields in deflecting oncoming debris and minor space energy fields. Mounted on the rear of the primary hull are (J-Hub-5-B) dual impulse units which are used for auxiliary power and sublight propulsion. Located at the rear of the primary hull on the starboard side of the impulse engines is a medium hangar deck. The vessel's warp fields are generated by two (WS2-1-5H) warp nacelles attached to the primary hull by (7-25-40) support pylons. Within the primary hull are the (M2H-4-2V) toxic gas chamber and (AMH-10-4S) matter/antimatter storage tanks. The matter/antimatter storage tanks are situated on the bottom of the hull above the impulse engines for emergency jetting. Above the primary hull extension mounted port and starboard are two (MP2-5-2G) MegaPlexers. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

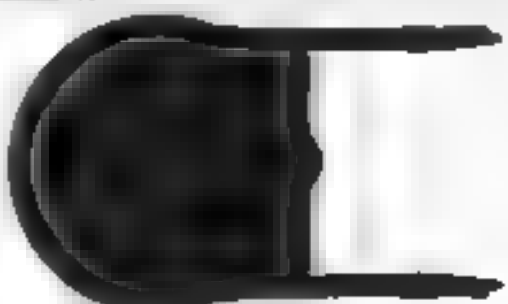
For additional detail refer to Datasheet MV-23

Class Emblem



Ship Silhouettes

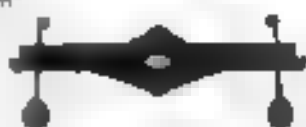
Total Target Area: 87529.08 m²
Average Target Area: 9378.01 m²



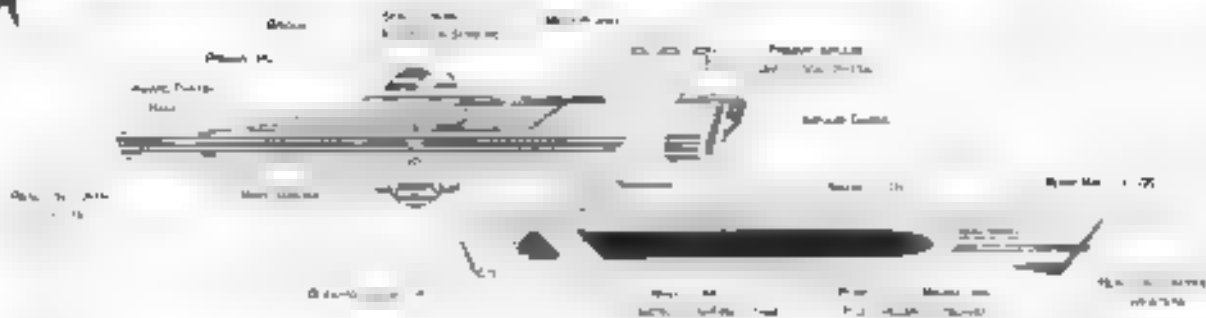
Top Silhouette
Area: 13404.05 m²



Port Silhouette
Area: 5188.10 m²



Front Silhouette
Area: 9578.87 m²

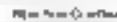


BOAT PROFILE



Statistics

Classification: Light	Operation Speed:	Bridge:	24 M Nodes
Flagging: Light	Max Rate: Cracking =	Structure: Steel	Shielding:
Base: Heavy	Emergency Speed: 0	Size: 1000000	Shield Index: 0.75
Page: 1000	Max Speed:	Time: 1000000 7.44 10.00	Shield Power: 100 10.00
Model: 100 10.00	Structure: Steel 1	Max Range: 1000000	Shield Rate: 100 10.00
Naval: 100 10.00	Acceleration: 1000000	Large: 1000000	Shield Rate: 100 10.00
Number: 1000000 10.00	Acceleration: 1000000	Standard: 1000000 10.00	Shield Dimensions: 1000000
Number: 1000000 10.00	Acceleration: 1000000	Large: 1000000 10.00	Length: 1000000
Number: 1000000 10.00	Acceleration: 1000000	Standard: 1000000 10.00	Width: 1000000
Number: 1000000 10.00	Acceleration: 1000000	Large: 1000000 10.00	Height: 1000000
Number: 1000000 10.00	Acceleration: 1000000	Standard: 1000000 10.00	Weight: 1000000
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Number: 1000000 10.00	Acceleration: 1000000	Large: 1000000 10.00	Weight: 10000





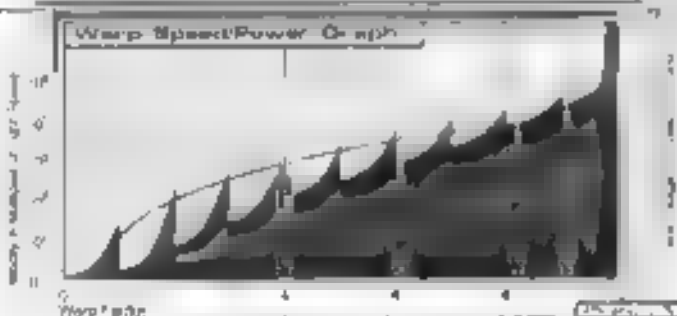
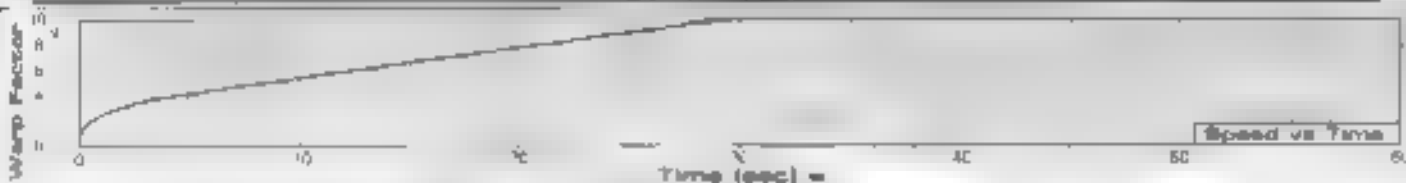
BFAGG CLASS

Tractor Beam Specifications

Primary Tractor Beam Load Calculator

[illegible]

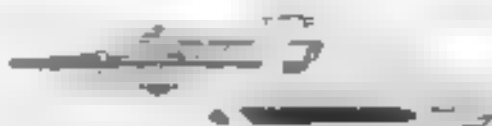
CLASS SHIP, "LOST IN THE LINE OF DUTY," PROPOSED ALL NAMES PREFIXED WITH "U.S.S."



Parent Company	4000 Wilson
Parent Office	2001 30th
Parent Address	2001 30th



Front Warp Field Profile
Cross Section Area: 2000.00 m²

Porto Warp Field Profile
Cross Section Area 49308.94 m.²

Top Werp Field Profile
Cross Section Area: 6007.2 m²

SRMA-1 05:04:03:04

STAFFLEET REFERENCE MANUAL

FEDERATION VESSEL

HEAVY FRIGATE



General Information

Specific Role After much success with the standard Frigate design, Starfleet decided to create a heavier version with increased effectiveness. The Heavy Frigate has a 4 meter extended primary hull to make space for dual hangar decks to support and maintain two wings of fighter craft. As with the standard Frigate, the Heavy Frigate has two MegaPhasers located above the engines. The most noticeable modification of the design is the addition of a rear bay used to support the photon torpedo weapons pod. The photon torpedo pod gives the vessel both forward and rear attack angles.

Physical Description The Frigate incorporates an (PHE 147 F M1) extended primary hull equipped with heavy weapons shielding and E.M. E.C.M. devices, as well as a (BS10/P-T1) bridge which contains a larger weapons station. Mounted on the underside of the primary hull is the integrated (SM49/63) main sensor array and (SN4-1) navigation dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (MP2/5-2) phaser banks. Port and starboard on the upper primary hull forward of the raised extension are (DN2/14-2) navigational deflector space energy field activation sensors used to assist the navigational shields in deflecting incoming debris and monitor space energy fields. Mounted on the rear of the primary hull are (PHE1/5 DN) dual impulse units which are used for auxiliary power and high light propulsion. Two medium hangar decks are installed, one on either side of the impulse engines in the rear of the primary hull. The vessels warp fields are generated by two (SW12-5) warp nacelles attached to the primary hull by (25 ft) support pylons. Within the primary hull is the (M3/4-22) intercom, transporter and (AMS-36-47) matter antimatter storage tanks. The matter antimatter storage tanks are situated in the bottom of the hull just below the impulse engines for emergency self-venting. Above the primary hull extension mounted port and starboard are two (MP2/5-2) MegaPhasers. Above the primary hull and supported on the (L1-52-12W) roll out is a (PH4-50-0E) photon torpedo pod. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the recumbent hull on impulse power.

For additional detail refer to DataSheet MV-9

Class Emblem



Ship Silhouettes

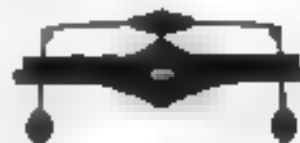
Total Target Area: 23436.28 m²
Average Target Area: 11718.14 m²



Top Silhouette
Area: 8164.89 m²



Port Silhouette
Area: 8003.48 m²



Front Silhouette
Area: 5468.91 m²



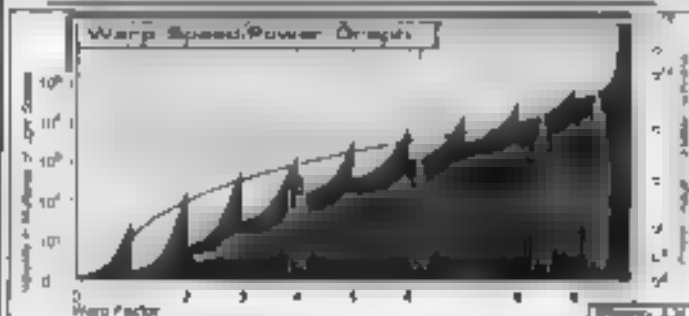
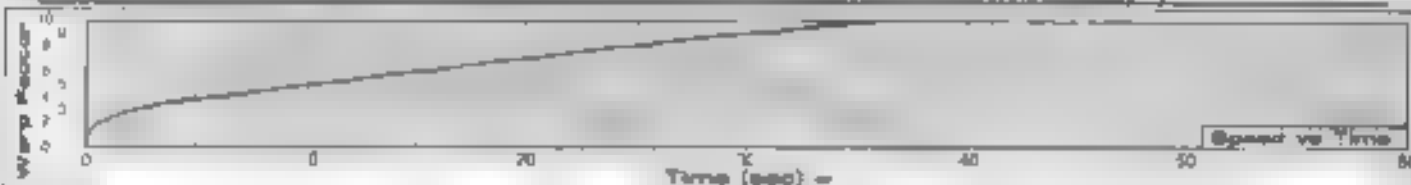
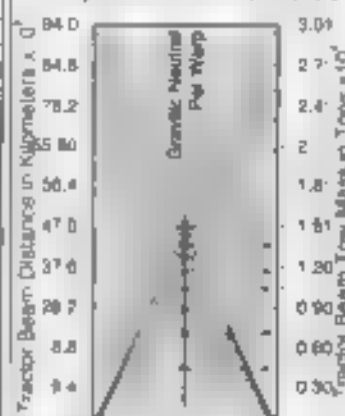
Ship Names

THE FOLLOWING SHIPS OF THE MK XIVa CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2200.10

[illegible][illegible][illegible]

Tractor Beam Specifications

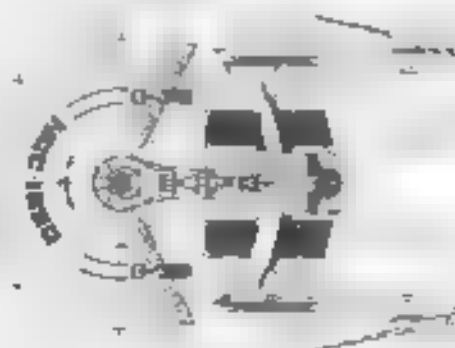
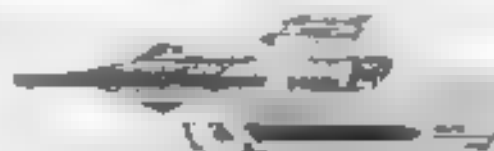
Primary Tractor Beam Load Calculations



Field Length: 4000 x 100m
Phase Width: 80 x 80m
Phase Height: 80 x 80m



Front Warp Field Profile
Cross Section Area: 16225.12 m²

Port Warp Field Profile
Cross Section Area 30044.41 m²

Top Warp Field Profile
Cross Section Area 00411.00 m²

SAMA-1 05:04:04:04

STARFLEET REFERENCE MANUAL

MIRANDA CLASS

FEDERATION VESSEL

LIGHT FRIGATE



General Information

Specific Role: With the success of the Frigate it was determined that Starfleet needed a Light Frigate to expand capability of the frigate design. The Light Frigate's small, sleek package presents minimal silhouette (largest area to enemy vessels). The Light Frigate is equipped with a medium hangar, was designed to launch and maintain a single wing of fighter craft. To increase the firepower of the Light Frigate, two Heavy Phasers were added to the primary hull and are powered directly off the intermix chamber. Troops are carried aboard at all times and can use either basic structures or subporters to reach specific planetary engagements.

Physical Description: The Light Frigate incorporates an 11x14x18 F2 extended primary hull equipped with heavy weapons, shielding, and ECM devices, as well as a 10x18x12 bridge which contains a larger weapons section. Mounted on the underside of the primary hull is the integrated DSM-19 5x11 main sensor array and DN4-2 C distribution network. Located on the port/starboard and bow of the primary hull (above and below) are six T462-120 phaser banks. Mounted in the rear of the primary hull are 1246E-5 C-3 dual impulse units which are used for auxiliary power and sublight propulsion. Located in the rear of the primary hull on the starboard side of the impulse engines is a medium hangar deck. The vessels warp fields are generated by two JSW52-5AC3 warp nacelles attached to the primary hull with 15000 support pylons. Within the primary hull are the M21-4-210 intermix chamber and DSM-7-6-454 main and auxiliary engine banks. The matter/antimatter storage tanks are situated on the bottom of the hull just below the impulse engines for emergency propulsion. Active warp nacelle support pylons are two 11-132F1 Heavy Phasers. In the event of an emergency, the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

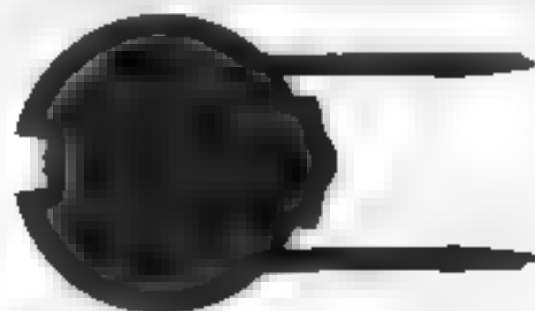
For additional details refer to Data sheet MV-26

Class Emblem



Ship Silhouettes

Total Target Area 85273.05 m²
Average Target Area 8484.38 m²



Top Silhouette
Area 8570.53 m²



Port Silhouette
Area 4577.81 m²



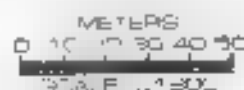
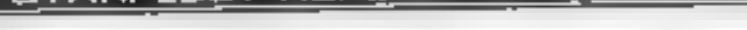
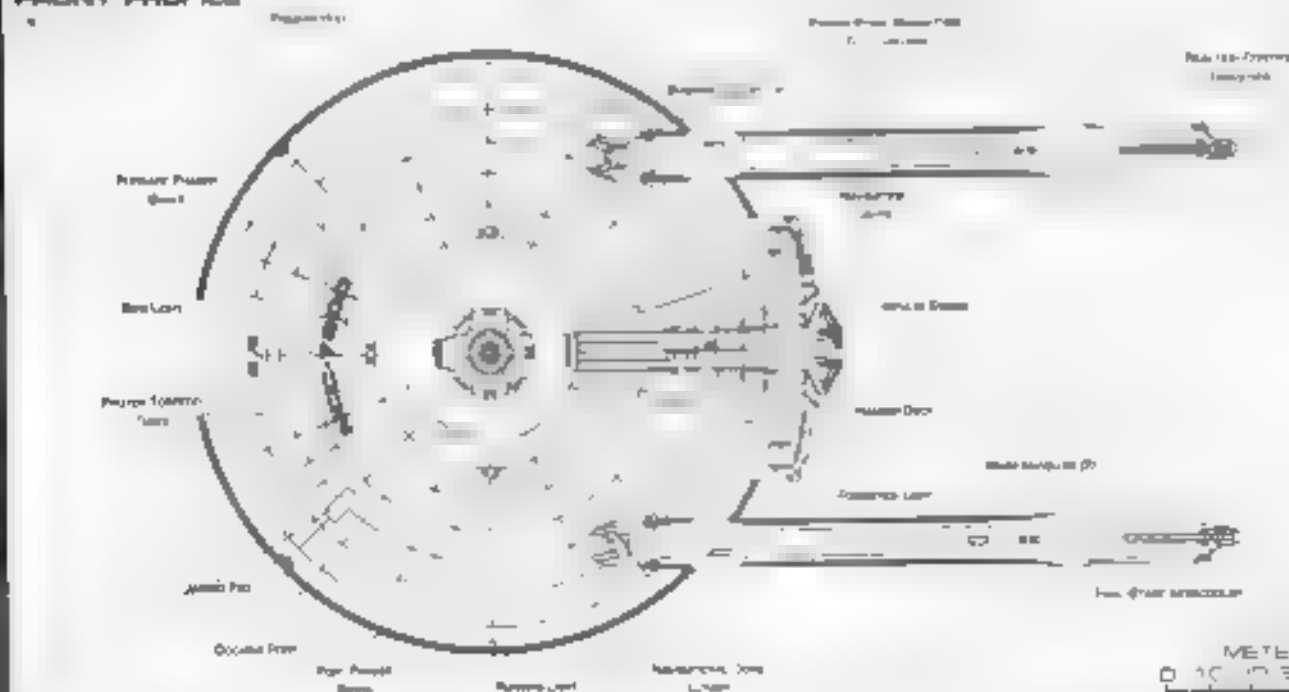
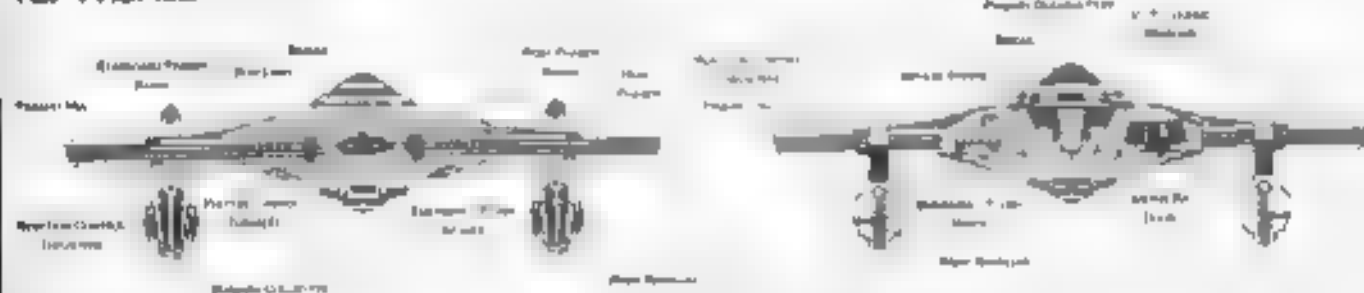
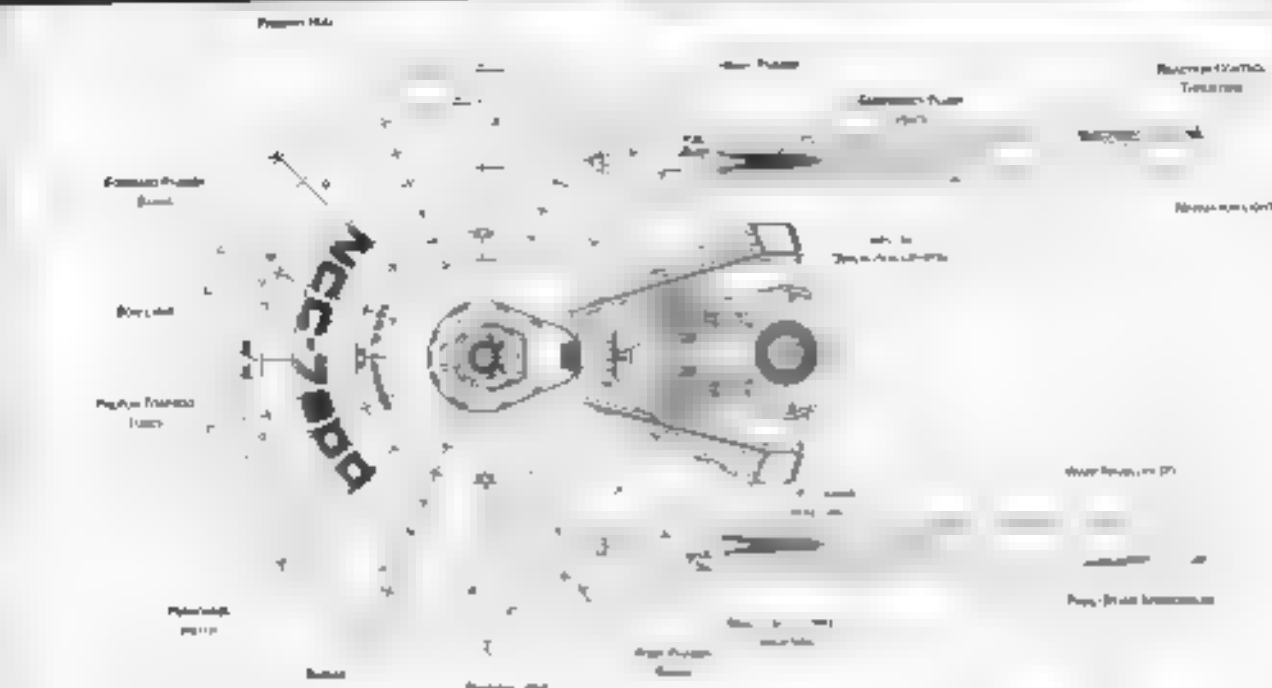
Front Silhouette
Area 2125.31 m²



CRANE SECTION

Statistics

Lower Bay 3





LIGHT FRIGATE

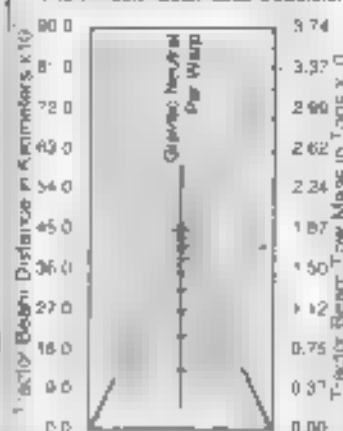
Ship Names

THE FOLLOWING SHIPS OF THE MK XIII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2255.7

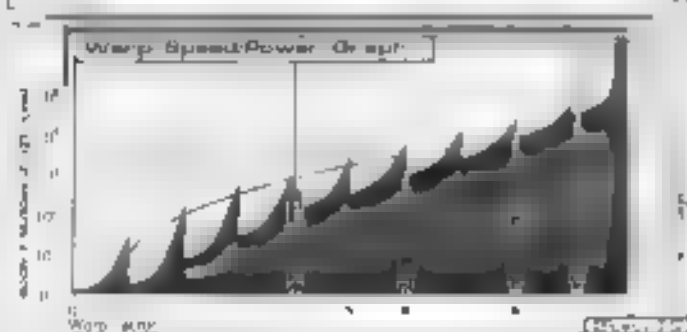
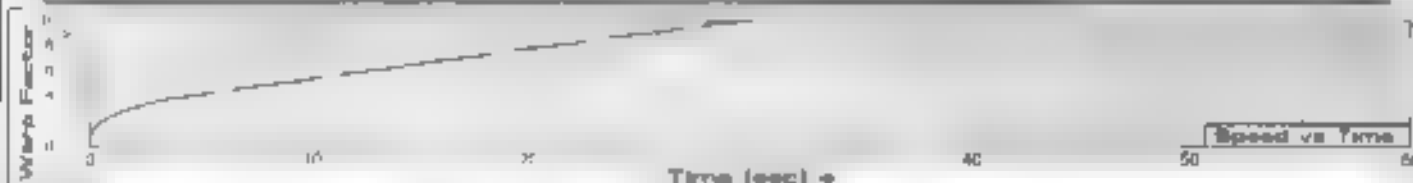
ALPHA	100	100	100
BETA	100	100	100
CHARLIE	100	100	100
DELTA	100	100	100
ECHO	100	100	100
FOXTROT	100	100	100
GOLF	100	100	100
HOTEL	100	100	100
INDIA	100	100	100
JULIETT	100	100	100
KILO	100	100	100
LIMA	100	100	100
MIKE	100	100	100
NOW	100	100	100
OSCAR	100	100	100
PAPA	100	100	100
QUEBEC	100	100	100
RADIO	100	100	100
SIERRA	100	100	100
TANGO	100	100	100
UNIFORM	100	100	100
VICTOR	100	100	100
XRAY	100	100	100
YANKEE	100	100	100
ZULU	100	100	100

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



CLASS SHIP, LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PRECEDED WITH "L.L.R."



Power Output: 454.88m
Power In: 30.18m
Power Output: 454.88m



Front Warp Field Profile
Cross Section Area 11187.88 m²



Port Warp Field Profile
Cross Section Area 21810.88 m²



Top Warp Field Profile
Cross Section Area 84485.02 m²

STRATEGIC FRIGATE

General Information



Specific Role: After much success with the Heavy Frigate design, Starfleet decided to create a version to increase the strategic effectiveness of the frigate design. The Strategic Frigate shares the stretched extended primary hull of the Heavy Frigate to make space for dual hangar decks to support and maintain two wings of fighter craft. The Strategic Frigate has two large sensor arrays located on either side of the primary hull. The sensor arrays are highly sensitive long range sensors designed to gather strategic data for the fleet.

Physical Description: The Frigate incorporates an (HIF-4-7-33) extended primary hull equipped with heavy weapons, shielding, and ECM/ECCM devices, as well as a (H51C-C-T) bridge which contains a larger weapons station. Mounted on the afterside of the primary hull is the integrated (SM49/6E) main sensor array and (DN4-1-F) navigation dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (BP2-30-215) phaser banks. Port and starboard on the upper primary hull forward of the raised extension, are (DN2-1-4-2) navigational deflector space energy field arrays and sensors used to assist the navigational shields in deflecting oncoming debris and monitor space energy fields. Mounted on the rear of the primary hull are (1-186E/5-17) dual impulse drives which are used for auxiliary power and sub-light propulsion. Two medium hangar decks are installed, one on either side of the impulse engines at the rear of the primary hull. The vessel's warp fields are generated by two (SW52-1-500) warp engines attached to the primary hull by (DN-25-61) support pylons. Within the primary hull is the (M10-4-20) matter storage tank and antimatter storage tanks. The matter/antimatter storage tanks are situated on either side of the hull just below the impulse engines for emergency propulsion. Located on either side of the primary hull are the two (SA45-1-24T) sensor arrays. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional detail, refer to Datasheet MV-21

Class Emblem



Ship Silhouettes

Total Target Area: 21,384.68 m²

Average Target Area: 10494.87 m²



Top Silhouette
Area: 21,028.44 m²



Port Silhouette
Area: 8342.40 m²

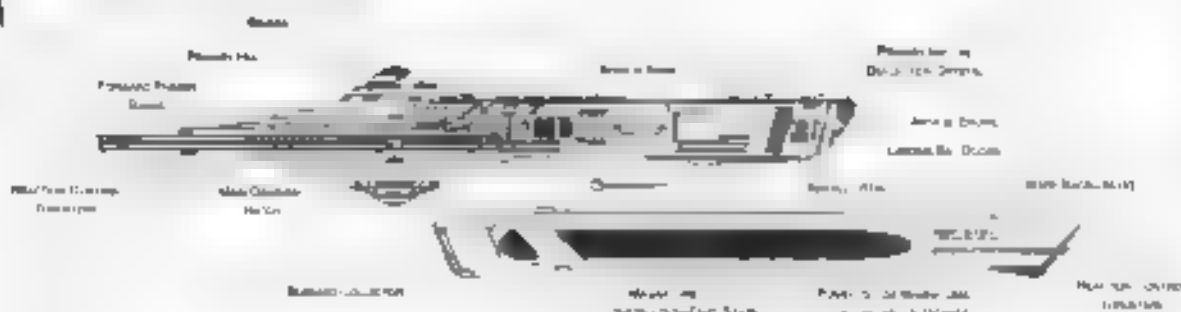


Front Silhouette
Area: 287,300 m²

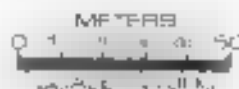
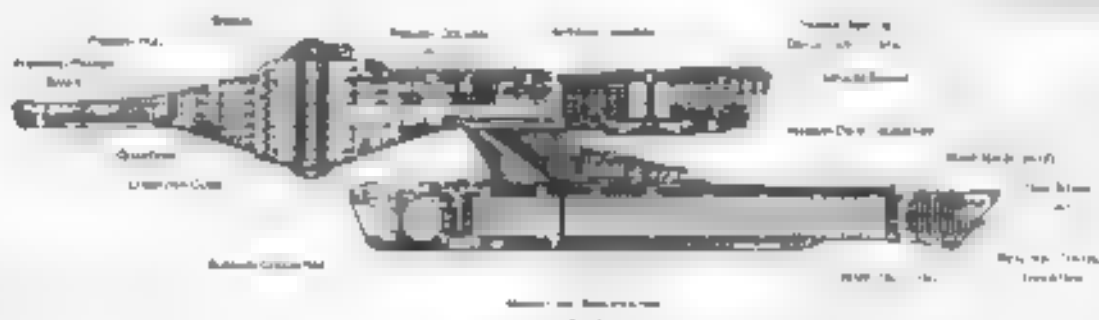


STRATEGIC FRIGATE

SARATOGA CLASS



PORT PROFILE



Statistics

Classification Strategic Frigate

Category War

Class Frigate

Type War

Model NR-000134

Naval Construction Contract: 318

Number Proposed: 47

Number Constructed: 47

Number in Service: 40

Number lost:

Dimensions

Overall Dimensions (Metric)

Length: 134.4 m

Width: 14.0 m

Height: 31.1 m

Primary Hull Dimensions (Metric)

Length: 81.4 m

Width: 4.1 m

Height: 17.94 m

Secondary Hull Dimensions (Metric)

Length: 14.4 m

Width: 14.4 m

Height: N/A

Warp Unit Dimensions (Metric)

Length: 44.8 m

Width: 6.0 m

Height: 18.32 m

Displacement (Metric Tons)

Light: 274,168 mt

Standard: 25,126 mt

Full Load: 280,760 mt

Performance

Impulse Units: 1311 mk II IPR-5-17

Impulse Engine Output: 2x10¹² W

Impulse Power Index: 0.79

Max Cruising: 7

Acceleration War:

0.00-0.38 Gyrads: 0.276 sec

0.35-0.50 Gyrads: 0.182 sec

0.50-0.75 Gyrads: 0.500 sec

0.75-Full Gyrads: 0.07 sec

Warp Unit: Variable (SWSSN-SRG)

Warp Engine Output: 2x10¹² W

Warp Power Index: 0.79

System Speed 4

Max Sub Cruising 5.5

Emergency Speed 5.6

Max Speed: 5.7

Emergency Speed 5.8

Acceleration Power 3

Acceleration Power

Warp 1 Warp 6 75% sec

Warp 2 Warp 6 41% sec

Warp 3 Warp 6 44% sec

Warp 4 Warp 6 44% sec

Warp 5 Warp 6 44% sec

Warp 6 Warp 7 44% sec

Warp 7 Warp 8 44% sec

Warp 8 Warp 8 44% sec

Warp 9 Warp 8 44% sec

Warp 10 Warp 8 44% sec

Warp 11 Warp 8 44% sec

Warp 12 Warp 8 44% sec

Warp 13 Warp 8 44% sec

Warp 14 Warp 8 44% sec

Warp 15 Warp 8 44% sec

Warp 16 Warp 8 44% sec

Warp 17 Warp 8 44% sec

Warp 18 Warp 8 44% sec

Warp 19 Warp 8 44% sec

Warp 20 Warp 8 44% sec

Warp 21 Warp 8 44% sec

Warp 22 Warp 8 44% sec

Warp 23 Warp 8 44% sec

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Warp 26 Warp 8 44% sec

Warp 27 Warp 8 44% sec

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Warp 33 Warp 8 44% sec

Warp 34 Warp 8 44% sec

Warp 35 Warp 8 44% sec

Warp 36 Warp 8 44% sec

Warp 37 Warp 8 44% sec

Warp 38 Warp 8 44% sec

Warp 39 Warp 8 44% sec

Warp 40 Warp 8 44% sec

Bridge 14

Navigation 18

Tactical 18

Log Capacity: 2 x 10¹² mt

Max Range: 2 x 10¹² mt

Large Space Operations

Standard: 2 x 10¹² mt

Large Capacity: 2 x 10¹² mt

Standard: 2 x 10¹² mt

Large Capacity: 2 x 10¹² mt

Standard: 2 x 10¹² mt

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Large Capacity: 2 x 10¹² mt

Standard: 2 x 10¹² mt

EFM Index

Shield Index: 0.36

Shield Power: 0.7x10¹² W

Shield Rate: 4.4 x 10¹² W

Shield Rate: 4.4 x 10¹² W

Shield Dimensions (Metric)

Length: 14.4 m

Width: 4.4 m

Height: 17.94 m

Weight: 17.94 m

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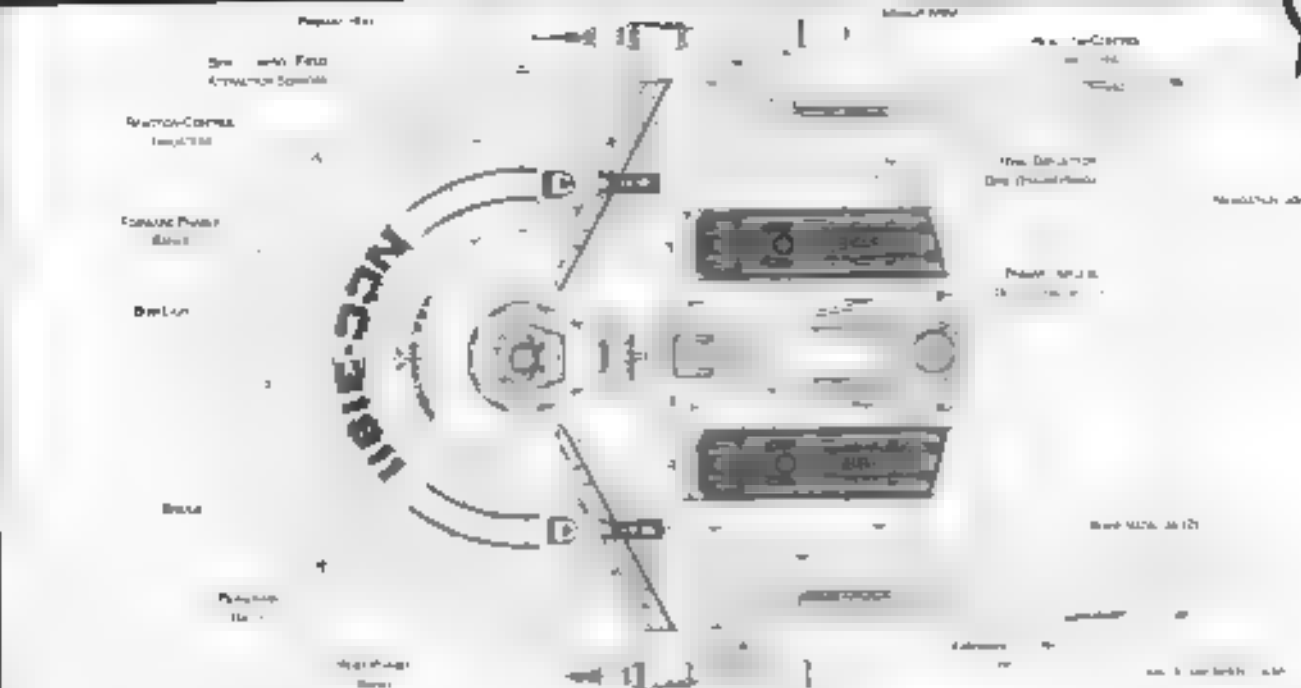
Weight: 17.94 m

Weight: 17.94 m

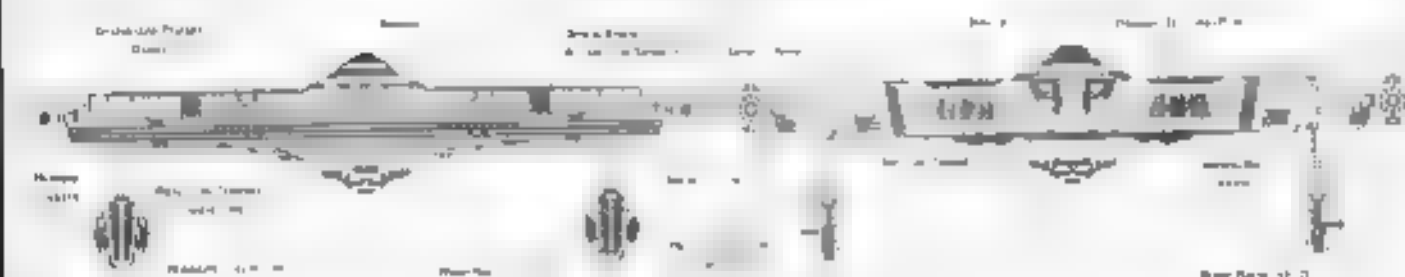
Weight: 17.94 m

FEDERATION VESSEL

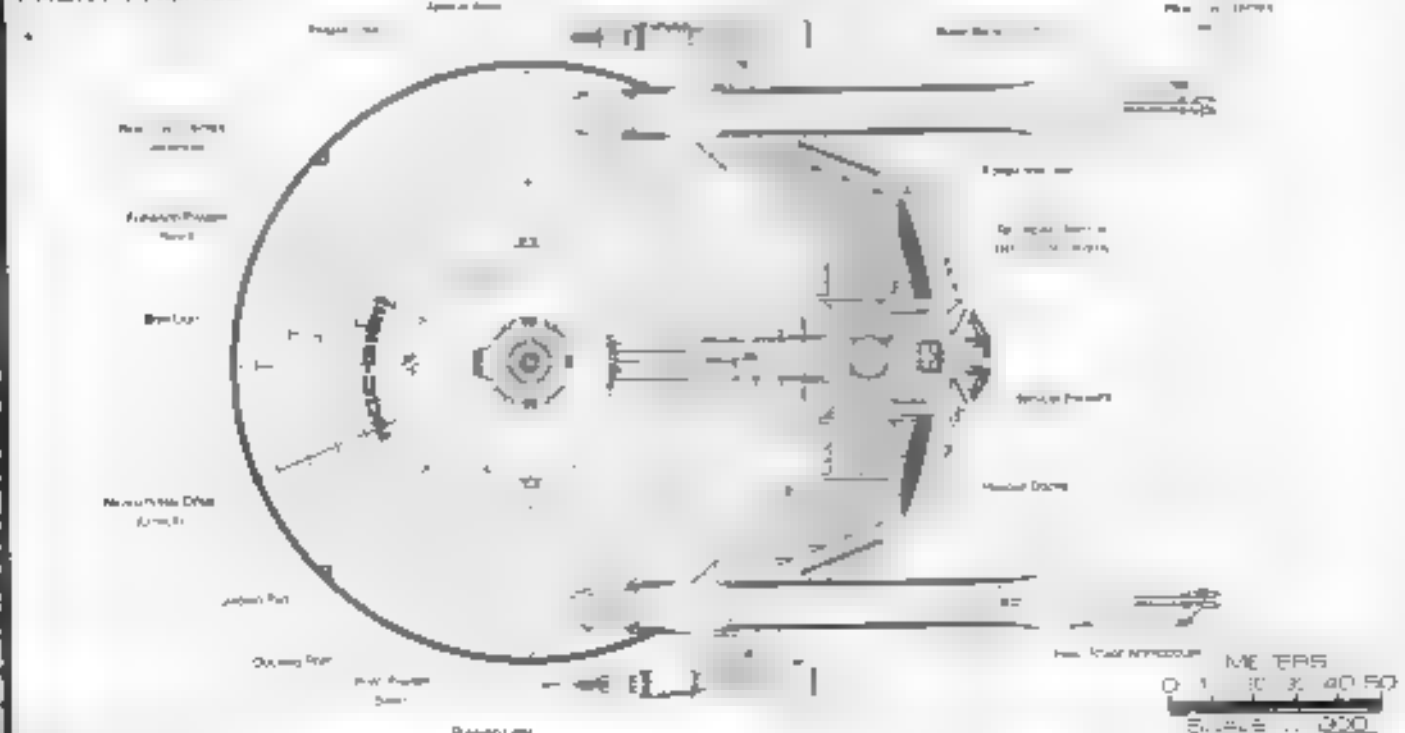
STRATEGIC FRIGATE



TOP PROFILE



FRONT PROFILE



BOTTOM PROFILE



STRATEGIC FRIGATE

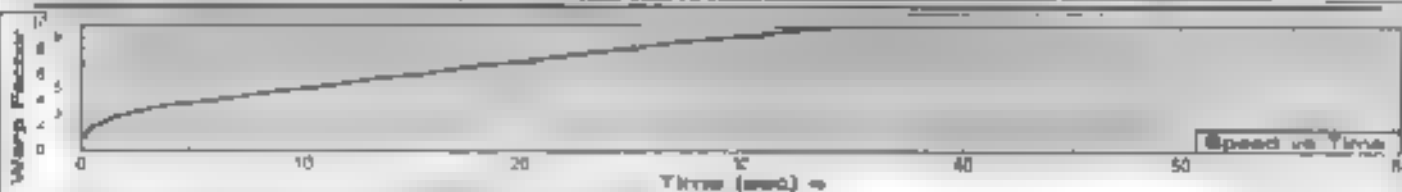
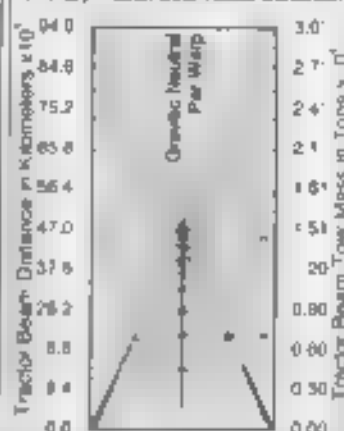
Ship Names

THE FOLLOWING SHIPS OF THE MK XXXIX CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2299.3

ASAJ STAR NCL 31836	NAIUS NCL 31837
BAGHOAD NCL 31838	NEISS NCL 31839
BASAN AR NCL 31840	NEISSA NCL 31841
BATIRA NCL 31842	NEISSA NCL 31843
BELSON R NCL 31844	NEISSA NCL 31845
BELSON R NCL 31846	NEISSA NCL 31847
BELSON R NCL 31848	NEISSA NCL 31849
BELSON R NCL 31850	NEISSA NCL 31851
BELSON R NCL 31852	NEISSA NCL 31853
BELSON R NCL 31854	NEISSA NCL 31855
BELSON R NCL 31856	NEISSA NCL 31857
BELSON R NCL 31858	NEISSA NCL 31859
BELSON R NCL 31860	NEISSA NCL 31861
BELSON R NCL 31862	NEISSA NCL 31863
BELSON R NCL 31864	NEISSA NCL 31865
BELSON R NCL 31866	NEISSA NCL 31867
BELSON R NCL 31868	NEISSA NCL 31869
BELSON R NCL 31870	NEISSA NCL 31871
BELSON R NCL 31872	NEISSA NCL 31873
BELSON R NCL 31874	NEISSA NCL 31875
BELSON R NCL 31876	NEISSA NCL 31877
BELSON R NCL 31878	NEISSA NCL 31879
BELSON R NCL 31880	NEISSA NCL 31881
BELSON R NCL 31882	NEISSA NCL 31883
BELSON R NCL 31884	NEISSA NCL 31885
BELSON R NCL 31886	NEISSA NCL 31887
BELSON R NCL 31888	NEISSA NCL 31889
BELSON R NCL 31890	NEISSA NCL 31891
BELSON R NCL 31892	NEISSA NCL 31893
BELSON R NCL 31894	NEISSA NCL 31895
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BELSON R NCL 31898	NEISSA NCL 31899
BELSON R NCL 31900	NEISSA NCL 31901
BELSON R NCL 31902	NEISSA NCL 31903
BELSON R NCL 31904	NEISSA NCL 31905
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BELSON R NCL 31988	NEISSA NCL 31989
BELSON R NCL 31990	NEISSA NCL 31991
BELSON R NCL 31992	NEISSA NCL 31993
BELSON R NCL 31994	NEISSA NCL 31995
BELSON R NCL 31996	NEISSA NCL 31997
BELSON R NCL 31998	NEISSA NCL 31999
BELSON R NCL 32000	NEISSA NCL 32001

Traction Beam Specifications

Primary Traction Beam Load Calculator



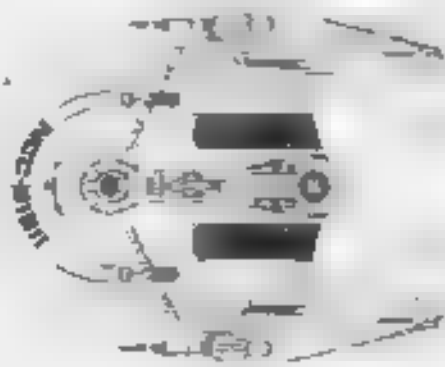
Phase Length: 488.89m
Field Width: 188.89m
Field Height: 78.12m



Front Warp Field Profile
Cross Section Area 18314.84 m²



Port Warp Field Profile
Cross Section Area 8881.01 m²



Top Warp Field Profile
Cross Section Area 88773.29 m²

SARATOGA CLASS

FEDERATION VESSEL

TACTICAL FRIGATE

General Information



Specific Role: After much success with the Heavy Frigate design, Starfleet decided to create a tactical version to increase the direct assault effectiveness of the frigate design. The Tactical Frigate shares the stretched, extended primary hull of the Heavy Frigate to make space for dual hangar decks to support and maintain two wings of light aircraft. The Tactical Frigate is designed for heavy assault with a low profile and forward facing main weapons.

Physical Description: The Frigate incorporates an (PHE-4) L.M. extended primary hull equipped with heavy weapons shielding and ECM/ECM devices, as well as a BH-0 S.T. bridge which contains a larger weapons station. Mounted on the underside of the primary hull is the integrated SM4 (long range sensor array and LHM-4) Li-spring and dome located on the port/starboard and bow of the primary hull (both top and bottom) are six (BP2-0) 2.0 phaser banks. Located on both sides on either side of the primary hull are the (MP-5) 2.0 MegaPhasers. Located on the top of the primary hull is the forward facing and (NS2-25-01) torpedo bay Port on starboard in the upper primary hull forward is the raised extension (NS2-0) 2.0 hangar, torpedoes and space energy field action sensors used to assist the damage and shields in detecting incoming debris and monitor space energy fields. Mounted on the rear of the primary hull are (1) 0.5 F-5.0 fuel impulse engines which are used for in space power and sub light propulsion. Two medium range decks are located on each side of the impulse engines in the rear of the primary hull. The two warp fields are generated by two (SW52-5801) warp nacelles at a rear of the primary hull by (1) 25 fuel support pylons. Within the primary hull is the (MH-4-2) interax chamber and (AM8-46-4A) reactor and nuclear storage tanks. The nuclear storage storage tanks are situated on the bottom of the hull just below the impulse engines for emergency jet cooling. In the event of an emergency the primary hull is separate from one of both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional details refer to Data sheet MV-22

Class Emblem



Ship Silhouettes

Total Target Area: 88850.74 m²
Average Target Area: 8885.07 m²



Top Silhouette
Area: 81983.14 m²



Port Silhouette
Area: 8380.39 m²



Front Silhouette
Area: 8577.21 m²



Statistics

Warp Power Index: 0.87

Figure 2.20: 2

Typus	Encyclopedia Britannica	Encyclopedia Americana
1890	11	11
1900	11	11
1910	11	11
1920	11	11
1930	11	11
1940	11	11
1950	11	11
1960	11	11
1970	11	11
1980	11	11
1990	11	11
2000	11	11
2010	11	11
2020	11	11

Lafayette 100 0



SRMA-1 05:04:07:03



TACTICAL FRIGATE

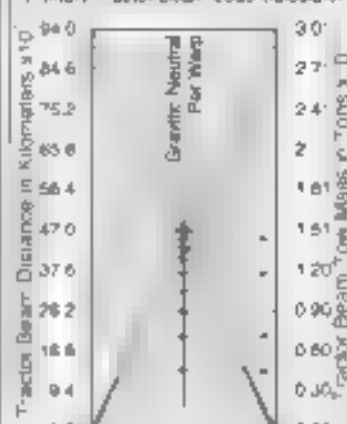
Ship Names

THE FOLLOWING SHIPS OF THE NX-KL CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2271.5

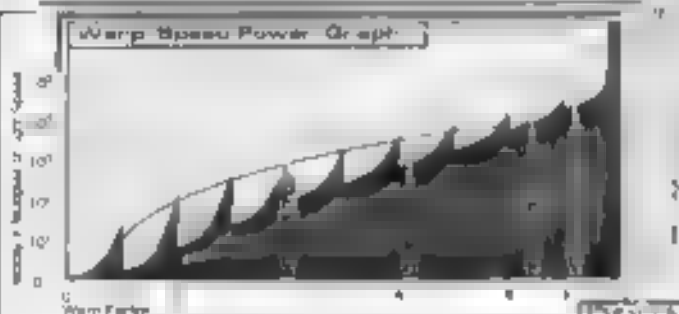
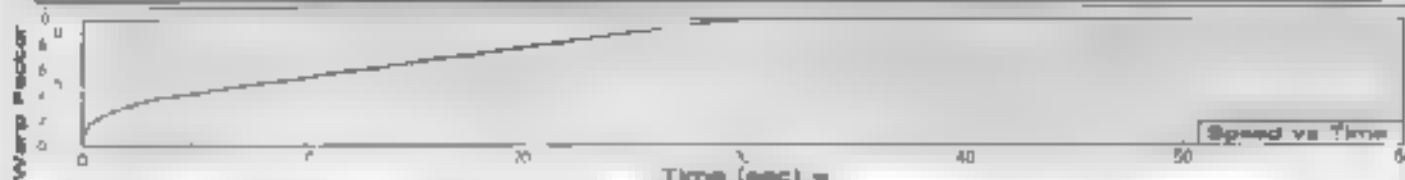
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BA 2K 4C 170	Q 2N 2m 4 2 2
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BL 2N 2m 4 2 2	S 2N 2m 4 2 2
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BO 2N 2m 4 2 2	U 2N 2m 4 2 2
BP 2N 2m 4 2 2	V 2N 2m 4 2 2
BQ 2N 2m 4 2 2	W 2N 2m 4 2 2
BR 2N 2m 4 2 2	X 2N 2m 4 2 2
BS 2N 2m 4 2 2	Y 2N 2m 4 2 2
BT 2N 2m 4 2 2	Z 2N 2m 4 2 2
BU 2N 2m 4 2 2	
BV 2N 2m 4 2 2	
BW 2N 2m 4 2 2	
BX 2N 2m 4 2 2	
BY 2N 2m 4 2 2	
BZ 2N 2m 4 2 2	
CA 2N 2m 4 2 2	
CB 2N 2m 4 2 2	
CC 2N 2m 4 2 2	
CD 2N 2m 4 2 2	
CE 2N 2m 4 2 2	
CF 2N 2m 4 2 2	
CG 2N 2m 4 2 2	
CH 2N 2m 4 2 2	
CI 2N 2m 4 2 2	
CJ 2N 2m 4 2 2	
CK 2N 2m 4 2 2	
CL 2N 2m 4 2 2	
CM 2N 2m 4 2 2	
CN 2N 2m 4 2 2	
CO 2N 2m 4 2 2	
CP 2N 2m 4 2 2	
CQ 2N 2m 4 2 2	
CR 2N 2m 4 2 2	
CS 2N 2m 4 2 2	
CT 2N 2m 4 2 2	
CU 2N 2m 4 2 2	
CV 2N 2m 4 2 2	
CW 2N 2m 4 2 2	
CX 2N 2m 4 2 2	
CY 2N 2m 4 2 2	
CZ 2N 2m 4 2 2	

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



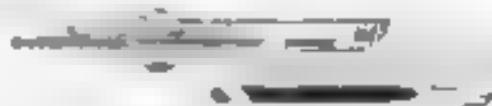
CLASS SHIP "LOST IN THE LINE OF DUTY" PROPOSED ALL NAMES PRECEDED WITH "L.S.S."



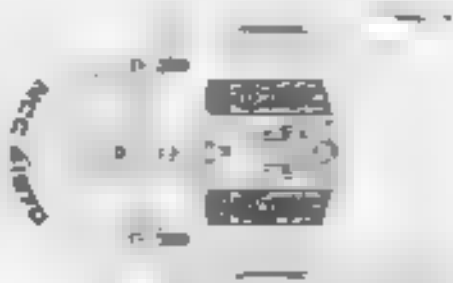
Field Length: 483.80m
Field Width: 203.87m
Field Height: 88.37m



Front Warp Field Profile
Cross Section Area: 12824.40 m²



Port Warp Field Profile
Cross Section Area: 28880.03 m²



Top Warp Field Profile
Cross Section Area: 89087.47 m²

ASSAULT TRANSPORT / TUG



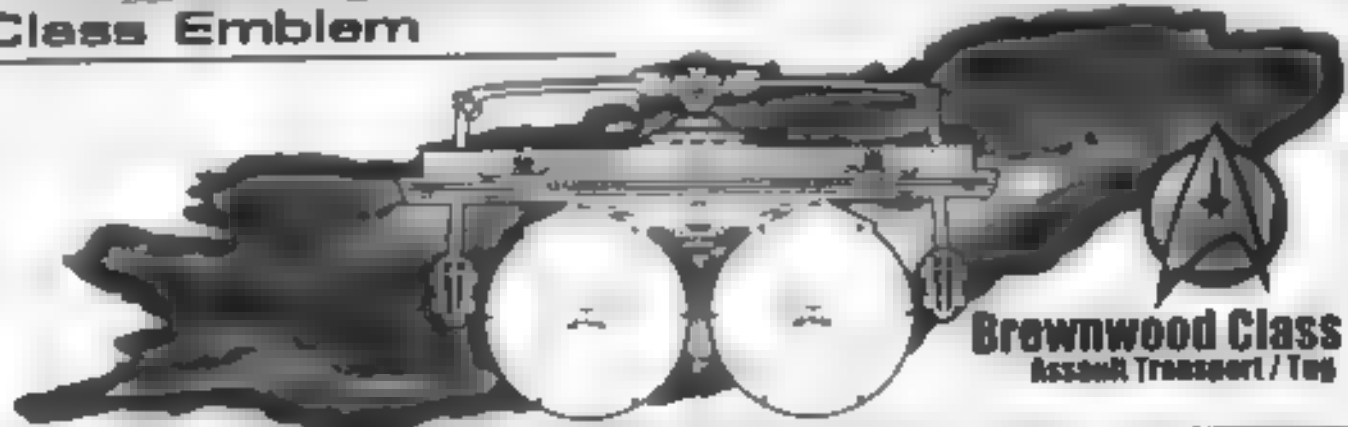
General Information

Specific Role: The ever increasing tonnage of equipment and supplies called for the design of a heavier transport/tug vessel. The Assault Transport/Tug's internal arrangement allows additional passenger accommodations and even a few staterooms. Although slower than the Transport/Tug, the towing capacity has doubled while maintaining the same power consumption. The tug is able to carry up to six containers by manipulating its warp field to cover the additional containers but with a reduction of top speed. The tug is also equipped with a heavy duty tractor beam designed for extreme range and tonnage. The most noticeable modification of the design is the addition of a roll bar used to support the photon torpedo weapons pod. The photon torpedo pod gives the vessel both forward and rear attack angles.

Physical Description: The Assault Transport/Tug incorporates an (PHE 47' F 12' extended primary hull) equipped which can also accommodate additional passenger accommodations. The primary hull is equipped with the (DS4' F R5) bridge that contains additional navigation stations and magnetic field manipulation instrumentation. Mounted on the underside of the primary hull is the integrated (SM-14' BM) main sensor array and (DN4' 1' M) navigation dome. Located on the port starboard and bow of the primary hull both (top and bottom) are six (B-2' 30' 20') phaser banks. Port and starboard on the upper primary hull forward of the raised extension are (DN2' 4' 2') navigational deflector or spare energy field attraction sensors used to assist the navigational shields in deflecting oncoming debris and minor space energy fields. Mounted at the rear of the primary hull are (IP R6E 5' F1a) dual impulse engines which are used for auxiliary power and starlight propulsion. Two medium hangar decks are installed, one on either side of the impulse engines at the rear of the primary hull. The vessel's warp fields are generated by two (SW52' 5' RF) warp nacelles attached to the primary hull in (D 25' 6' F) support pylons. Within the primary hull is the (M30' 4' 20') intermix chamber and (AMN 36' 4' F) matter/antimatter storage tanks. The matter/antimatter storage tanks are situated on the bottom of the hull just below the impulse engines for emergency re-boarding. Above the primary hull extension mounted port and starboard are two (M-2' 15' 20') Mega-thrusters. Above the primary hull are supported by the (E 3' 52' 12' F) roll bar and a (PH4' 50' 10') photon torpedo pod. Below the primary hull are two (AP-1' 7' F) sensor attachment plates, inverted by two (D 1' 20' 16A) sensoring discs. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

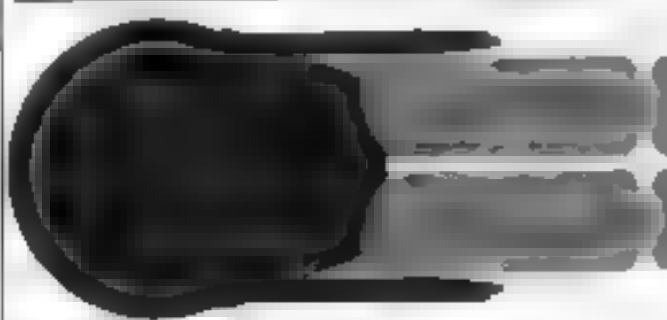
For additional detail refer to Datasheet MVA-4

Class Emblem



Ship Silhouettes

Total Target Area 21401.77 m² 27880.77 m² 28339.98 m²
Average Target Area 10697.88 m² 13940.39 m² 14169.99 m²



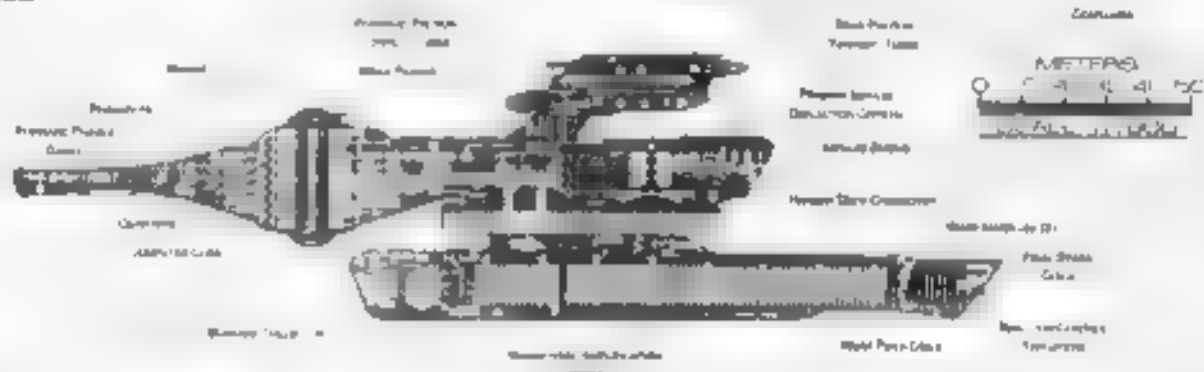
Top Silhouette
Area 21804.18 m² 28728.33 m² 24590.55 m²



Port Silhouette
Area 6808.88 m² 14888.21 m²
14888.21 m²



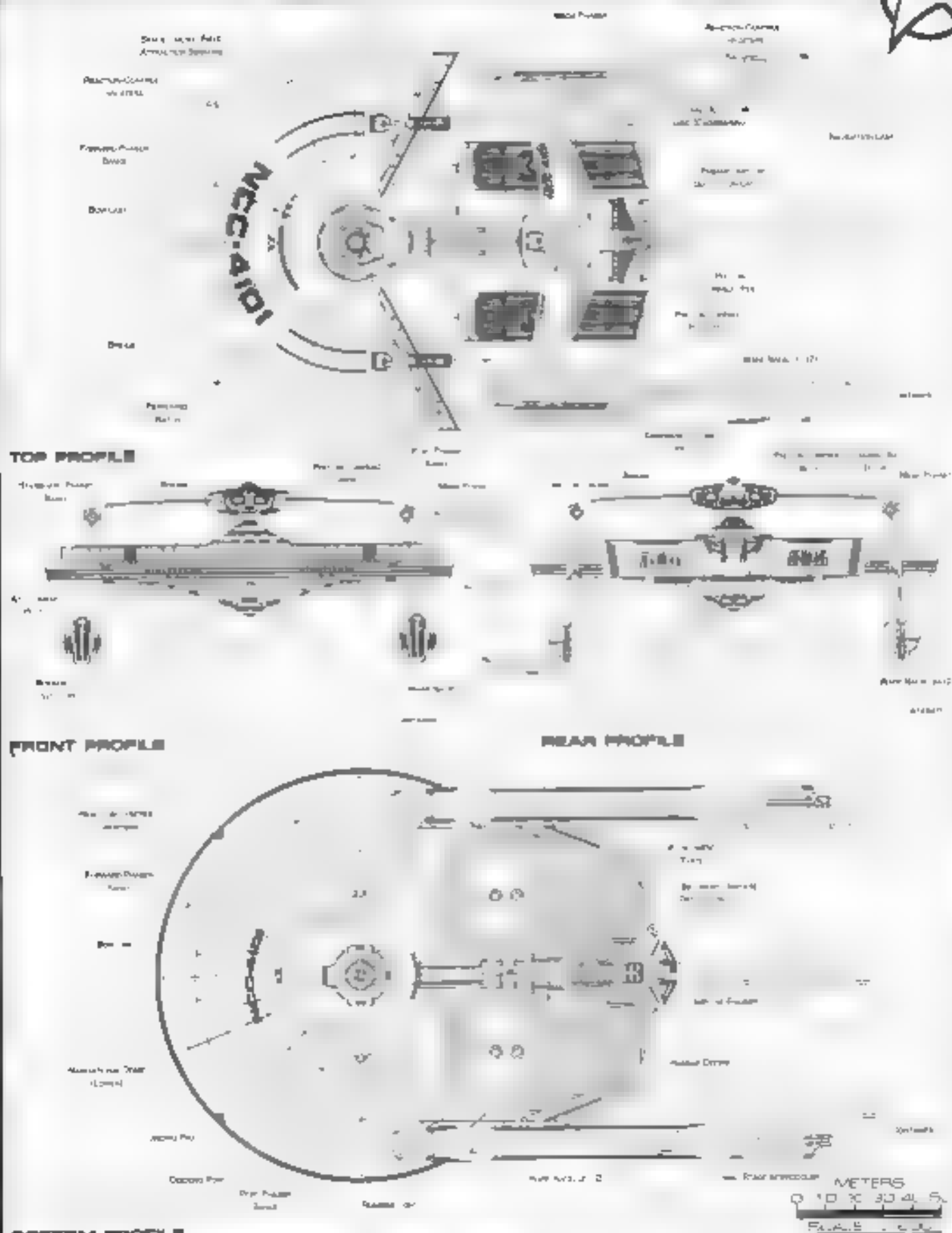
Front Silhouette
Area 3180.88 m² 2880.88 m² 6199.78 m²



CONCLUSION

Statistics

ASSAULT TRANSPORT / TUG



HEAVY TRANSPORT / TUG



General Information

Specific Role: The ever increasing tonnage of equipment and supplies called for the design of a heavier transport tug vessel. The Heavy Transport Tug's internal arrangement allows additional passenger accommodations and even a few staterooms. Although slower than the Transport/Tug, the towing capacity has doubled while maintaining the same power consumption. The tug is able to carry up to six containers by quadrupling its warp field to cover the additional nacelles but with a reduction of top speed. The tug is also equipped with a heavy tractor beam designed for extreme range and tonnage.

Physical Description: The Transport/Tug incorporates as the 14 (W T2) extended primary hull equipped which provides additional passenger accommodations. The primary hull is equipped with the RS9/105 bridge that contains additional navigation stations and multiple beam manipulation instrumentation. Mounted on the underside of the primary hull is the integrated SM44 650 main sensor array and 24 2 T3 navigation dome oriented on the port starboard and bow of the primary hull. Both top and bottom are six BP2 10 201 power banks. Port and starboard on the upper primary hull forward of the raised excelsior are the (LN2/152) navigation dials or spare energy field activation sensors used to assist the navigation, shields or deflecting incoming debris and monitor spare energy fields. Mounted on the rear of the primary hull are 100000 75 MW dual impulse units which are used for auxiliary power and sub light propulsion. Situated at the rear of the primary hull on the starboard side of the impulse engines is a fixed ammonia gas deck. The vessels warp fields are generated by two (SW52 50) warp nacelles attached to the primary hull as 25 MW support nacelles. Within the primary hull are the (M2K 42Y) deuterium chamber and AMB 1048 matter antimatter storage tanks. The matter antimatter storage tanks are situated on the bottom of the hull just below the impulse engines for emergency propulsion. Below the primary hull are two (ART 1) container attachment points connected by two 100000 100000 connecting toruses. In the event of an emergency the primary hull can separate from the support and the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional detail refer to Datasheet MVA 3

Class Emblem



Ship Silhouettes

Total Target Area 22975.00 m² 22244.12 m² 24107.74 m²
Average Target Area 2009.50 m² 18181.37 m² 18028.91 m²



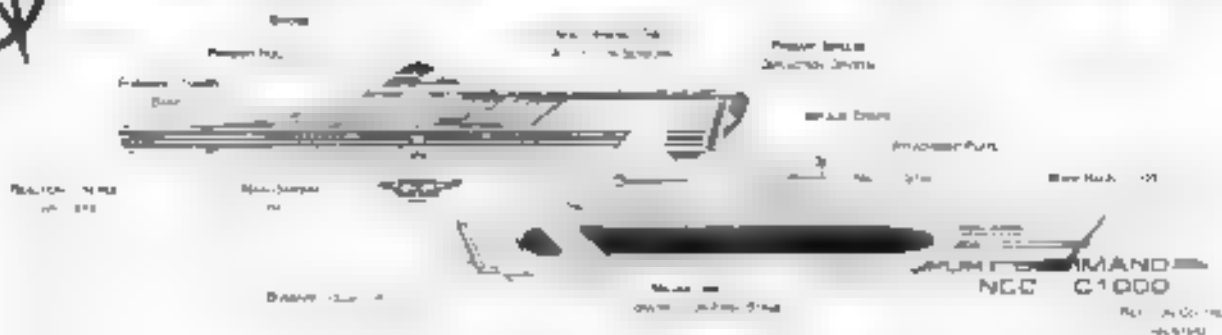
SRMA-1 05:05:02:01

FEDERATION VESSEL



HEAVY TRANSPORT / TUG

HENSLEY CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification: Heavy Transport

Category: Heavy Transport

Type: Heavy Transport

Model: HNS-1

First Construction Cost: 4500

Number Produced: 1

Number in Service: 1

Number Lost: 0

Dimensions

Overall Dimensions (Meters)

Length: 110.0

Width: 20.0

Height: 40.0

Primary Hull Dimensions (Meters)

Length: 80.0

Width: 15.0

Height: 30.0

Secondary Hull Dimensions (Meters)

Length: 30.0

Width: 5.0

Height: 10.0

Warp Core Dimensions (Meters)

Length: 10.0

Width: 5.0

Height: 10.0

Displacement (Metric Tons)

Light: 1000

Standard: 1000

Full Load: 1000

Performance

Impulse Units: 1000 (1000-1000)

Impulse Engine Output: 1000

Impulse Power Index: 1000

Max Cruising:

Acceleration Factor

0.00-0.30 Impulse: 0.00 sec

0.30-0.60 Impulse: 0.10 sec

0.60-0.75 Impulse: 0.15 sec

0.75-1.00 Impulse: 0.20 sec

Warp Velts: 2.0-10.0 (1000-1000)

Warp Engine Output: 1000

Warp Power Index: 1000

Operational Speed

Max Sub: 1000

Emergency Speed: 1000

Max Speed

Destructive Speed: 1000

Acceleration Factor

Warp 1: 1000

Warp 2: 1000

Warp 3: 1000

Warp 4: 1000

Warp 5: 1000

Warp 6: 1000

Warp 7: 1000

Warp 8: 1000

Warp 9: 1000

Warp 10: 1000

Warp 11: 1000

Warp 12: 1000

Warp 13: 1000

Warp 14: 1000

Warp 15: 1000

Warp 16: 1000

Warp 17: 1000

Warp 18: 1000

Warp 19: 1000

Warp 20: 1000

Warp 21: 1000

Warp 22: 1000

Warp 23: 1000

Warp 24: 1000

Warp 25: 1000

Warp 26: 1000

Warp 27: 1000

Warp 28: 1000

Warp 29: 1000

Warp 30: 1000

Warp 31: 1000

Warp 32: 1000

Warp 33: 1000

Warp 34: 1000

Warp 35: 1000

Warp 36: 1000

Warp 37: 1000

Warp 38: 1000

Warp 39: 1000

Warp 40: 1000

Range

Range 1

Range 2

Range 3

Range 4

Range 5

Range 6

Range 7

Range 8

Range 9

Range 10

Range 11

Range 12

Range 13

Range 14

Range 15

Range 16

Range 17

Range 18

Range 19

Range 20

Range 21

Range 22

Range 23

Range 24

Range 25

Range 26

Range 27

Range 28

Range 29

Range 30

Range 31

Range 32

Range 33

Range 34

Range 35

Range 36

Range 37

Range 38

Range 39

Range 40

Range 41

Range 42

Range 43

Range 44

Range 45

WPM Index

WPM Index 1

WPM Index 2

WPM Index 3

WPM Index 4

WPM Index 5

WPM Index 6

WPM Index 7

WPM Index 8

WPM Index 9

WPM Index 10

WPM Index 11

WPM Index 12

WPM Index 13

WPM Index 14

WPM Index 15

WPM Index 16

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WPM Index 35

WPM Index 36

WPM Index 37

WPM Index 38

WPM Index 39

WPM Index 40

WPM Index 41

WPM Index 42

WPM Index 43

WPM Index 44

WPM Index 45

FEDERATION VESSEL

LIGHT TRANSPORT/TUG



General Information

Specific Role: The Light Transport/Tug is of modular design and slightly resembles the Oberth class research vessel. The modular design is an attempt to reduce the vessel's overall construction and operational cost. A small number of passenger accommodations are located where the laboratories would be on the research vessel. The tug is able to carry up to two containers by manipulating its warp field to cover the additional containers but at a reduction of its top speed. The tug is also equipped with a heavy duty tractor beam designed for additional range and tonnage.

Physical Description: The Light Transport/Tug incorporates the (SH-03/F T1) hull which is equipped with additional passenger accommodations. The transport is equipped with a (BPS F-02) bridge that contains additional field manipulation instrumentation. On the lower part of the hull is the (SM 5-21) main sensor array and (DN2/1A) navigational dome. Positioned forward of the bridge is a B-2 30-20 phaser bank. Stung underneath the primary hull by two (DT 30-5A) connecting drossels is a (A-3 T-2) container attachment plate. At the rear of the primary hull are (SR1 E/2 AC) dual impulse jets which are used for auxiliary power and ship's warp propulsion. The vessel's warp fields are generated by two (S-04-21A) warp nacelles attached to each side of the hull. Running horizontally between the nacelles is the (M20-2A) antimatter chamber. Positioned at the rear of the hull for emergency maneuvering are the (AM 3-15-21) main antimatter storage tanks. On the front of the hull is a small hangar deck. In the event of an emergency, the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional details refer to Datasheet MVA-1.

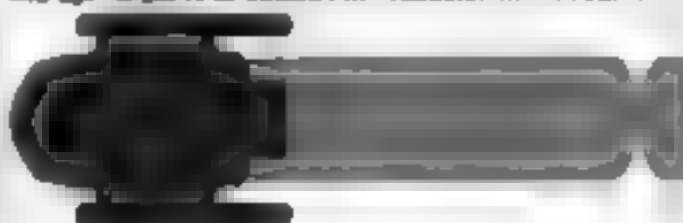
Class Emblem



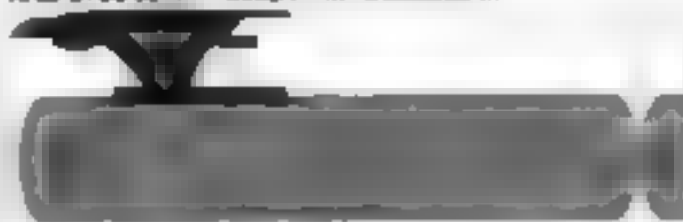
**FISHER CLASS
LIGHT TRANSPORT TUG**

Ship Silhouettes

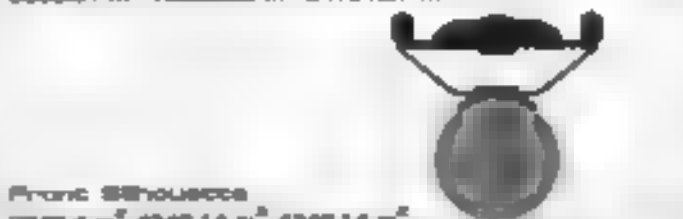
Total Target Area: 11,801.87 m² 30778.80 m² 82108.34 m²
Average Target Area: 3867.94 m² 10259.67 m² 17708.11 m²



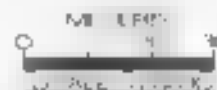
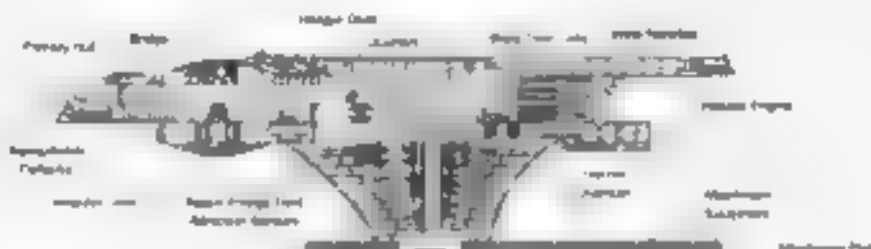
Top Silhouette
Area: 8768.00 m² 13448.71 m² 84804.82 m²



Port Silhouette
Area: 6098.41 m² 10888.08 m² 84161.87 m²



Front Silhouette
Area: 3348.4 m² 4348.14 m² 4348.14 m²



CROSS SECTION

Statistics

```

Classification: 1st Form*Ug
Category: warship
Name: M36
Type: LHM
Model: 15, 16
Rear Construction Control: 000
Number Proposed: 121
Number Constructed: 02
Number In Service: 30
Number Lost:
Dimensions
Overall Dimensions Overall
Length: 11' 0"
Width: 6'0" 0
Height: 7' 0" 0
Primary Hull Dimensions Overall
Length: 3'0" 0
Width: 5'0" 0
Height: 0" 0
Secondary Hull Dimensions Overall
Length: 0'0"
Width: 0'0"
Height: 0'0"
Warp Core Dimensions (Overall)
Length: 0'14" 0
Width: 0'0" 0
Height: 0'28" 0
Displacement Electric Tonnage
Light: 0'0' 0
Standard: 0'0' 4
Full Load: 0'0' 12
Performance
Impulse Units: 010 | nh 18R12F 2-A
Impulse Engine Output: 0'0' 18
Impulse Power Input: 0'0' 58
Max Cruising: 0
Acceleration Rate
0'00-0'20 Impulse: 0'02' sec
0'20-0'40 Impulse: 0'03' sec
0'40-0'70 Impulse: 0'04' sec
0'70-Full Impulse: 0'052' sec
Warp Units: 2 warp | nh: 50301 2C
Warp Engine Output: 4x 0'0' 16
Warp Power Input: 4'0' 12

```

Optimal Speed 4
Max Safe Cruising 5
Emergency Speed
Max Speed 6
Destructive Speed 15
Acceleration Power 1
Acceleration Time

Warp 1	Warp 2	0.4 sec
Warp 3	Warp 4	2d sec
Warp 5	Warp 6	3d sec
Warp 7	Warp 8	5d sec
Warp 9	Warp 10	7d sec
Warp 11	Warp 12	10d sec
Warp 13	Warp 14	15d sec
Warp 15	Warp 16	20d sec
Warp 17	Warp 18	30d sec
Warp 19	Warp 20	40d sec

(Duration Times)
Standard 1 0.4s
Maximum 14 10s

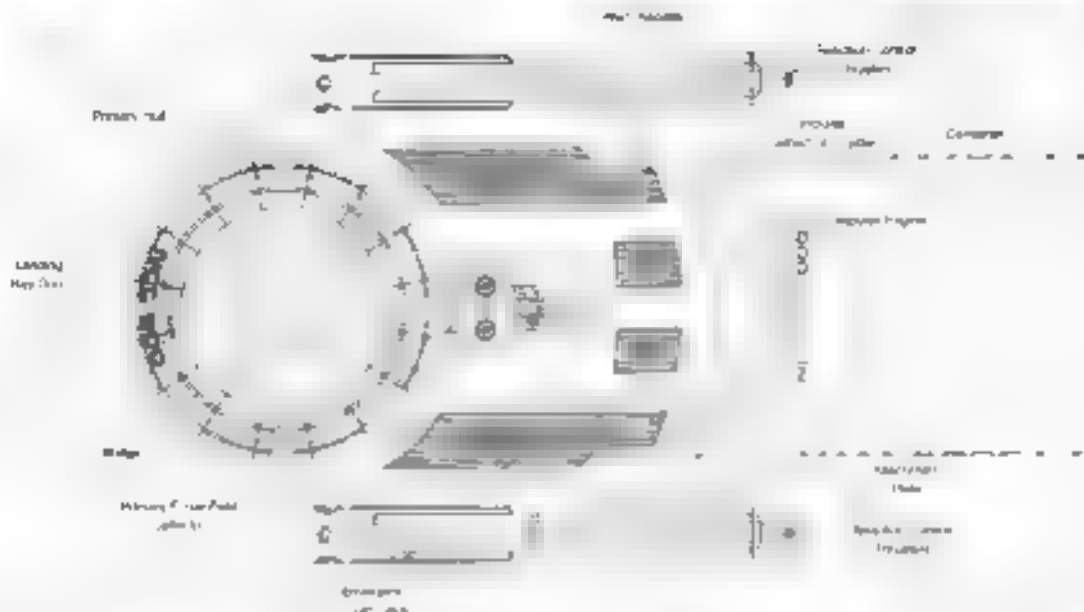
Ad Ships Complement: 30
Officers 3
Crew/Technician/Cadet 42
Troops 0
Passenger 5
Emergency Evacuation 1 20

Medical Facilities
Quarantine
Medical Staff 2
Operating Room
Beds 5
Laboratory 1
Transporter Deck
1 Person
2 Person 7
3 Person 0
12 Person 0
32 Person 0
Small Cargo 0
Medium Cargo 0
Large Cargo 0
Small Cargo 0

[illegible]

5750 Series 17
 Main-Me Rating
 Main-Me Index 40 to 60
 Main-Me Power 2100 to 1000 W
 Breakdown Rate 4000 to 1000 W
 Breakdown Rate 4000 to 1000 W
 (Main-Me Measurement) (Main-Me)
 Length 7 m
 Width 20 ft
 Height 55 m
 Weapons
 Power Power Index 3.10
 Power Power Index 0.00
 Power Power Index 60
 Weapons Measurement
 Power (Power) Total: 7000 to 2000
 Output 5-10 W 50 to 100 W
 Range 1000 m
 Rate of Fire 30 rpm/1000
 Forward Range 1
 Rear Range 0
 Port Range
 Starboard Range 1
 Upper Range 0
 Lower Range 0
 Power (Power) Total: 0
 Output: N/A
 Range: N/A
 Rate of Fire: 100
 Forward/Rear Range: 0
 Port/Starboard Range: 0
 Upper/Lower Range: 0
 Weapons (Power) Total: N/A
 Output: N/A
 Range: N/A
 Rate of Fire: 100
 Forward Bay: 0
 Rear Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

LIGHT TRANSPORT / TUG

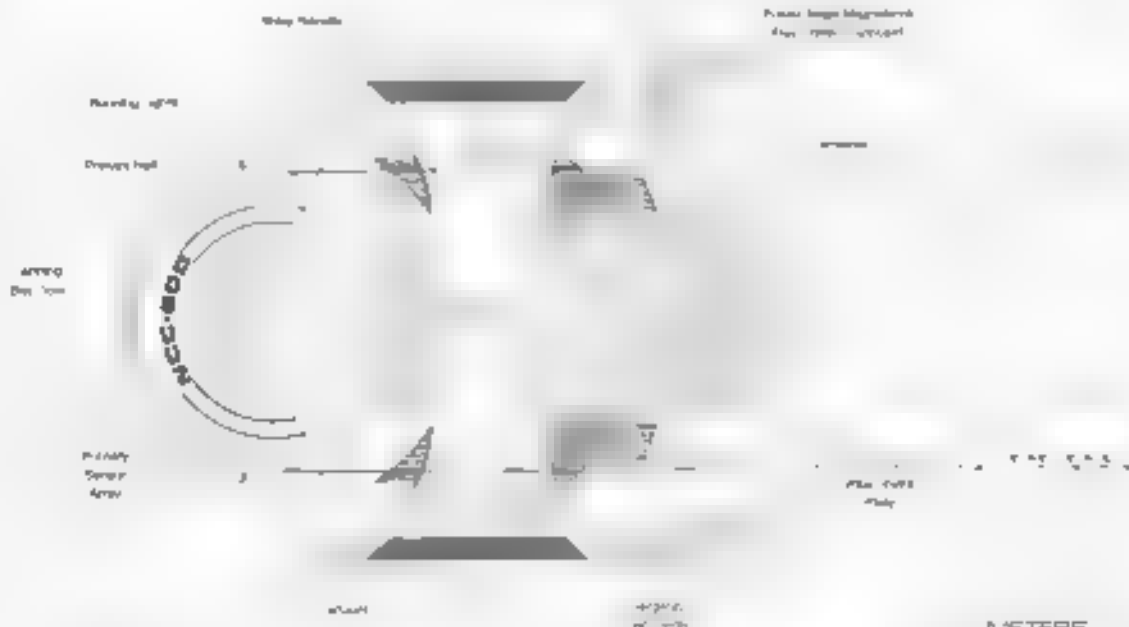


TOP PROFILE

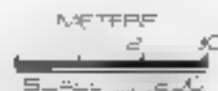


FRONT PROFILE

REAR PROFILE



BOTTOM PROFILE





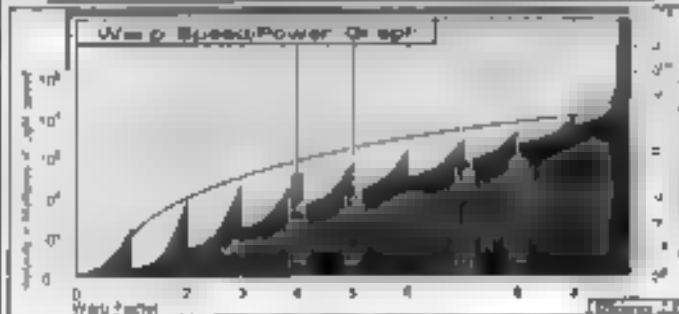
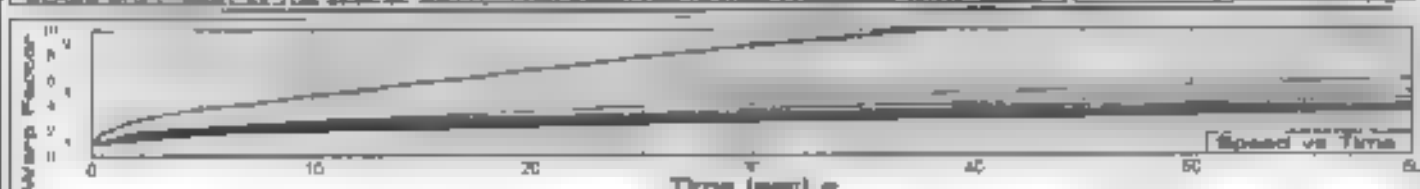
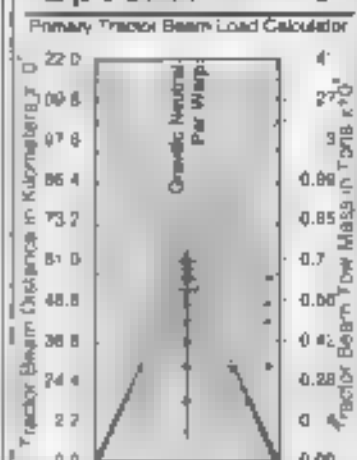
LIGHT TRANSPORT / TUG

Ship Names

THE FOLLOWING SHIPS OF THE MK2-L CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STANDARDS 0007.0

ALMA NL 017	FEARS NL 008	MEE AC NC 30	SHOCK NCC-001
ADABI NCC-001	FLANDET NCC-004	MCHA NC 20	SLASH NC 20
ADAMUS NCC-001	FOSTER NCC-000	MYNHE NC 20	SM WNET NC 002
ALAN TN 000	FRANKLIN NC 006	NELOS NCC-003	SLASH NC 1
ARMSTRONG NT 003	FOSTER NC 008	NELOS NC 003	SLASH NC 002
AUGUS JS NC 005	GAMMA NC 014	NELOS NC 003	SLASH NC 003
BARNSWORTH NLT 040	GA WAVE NLT 003	NELOS NC 003	SLASH NC 004
BARSTON NL 010	GEN 2 NCC-000	NELOS NC 003	SLASH NC 005
BARSTON NL 010	GEN 2 NCC-000	NELOS NC 003	SLASH NC 006
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 007
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 008
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 009
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 010
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BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 076
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 077
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 078
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 079
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 080
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 081
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 082
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 083
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 084
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 085
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 086
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 087
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 088
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 089
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 090
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 091
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 092
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 093
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 094
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 095
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 096
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 097
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 098
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 099
BEAL AT NC 040	GEN 2 NCC-000	NELOS NC 003	SLASH NC 100

Traction Beam Specifications



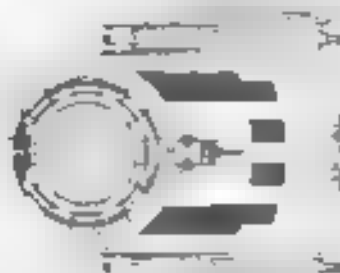
Field Length 100.00m
Field Width 100.00m
Field Height 100.00m



Front Warp Field Profile
Cross Section Area 7087.87 m²



STAR FLEET TRANSPORT COMMAND
NCC-01000



Port Warp Field Profile
Cross Section Area 21388.48 m²

Top Warp Field Profile
Cross Section Area 21388.48 m²

TRANSPORT//TUG



General Information

Specific Role: The Transport/Tug is the Federation's most widely used supply line vessel. Starfleet depends upon the reliability of this vessel since it spends the least amount of time at any starship in port, even when compared to the busiest of military vessels. The Transport/Tug has additional staterooms to accommodate passengers. The tug is able to carry up to four containers by manipulating its warp field by as a reduction of top speed. The tug is also equipped with a heavy-duty tractor beam designed for extra range and strength.

Physical Description: The Transport's (PI114770-13) primary hull contains additional passenger accommodations and a small hangar deck located on the upper starboard side. The primary hull is equipped with the VLS-17-MSI bridge containing additional navigation and field manipulation instrumentation. On the lower part of the primary hull is the SM-9-2A main sensor array and BVS-21 weapons dome. Located on the port starboard side of the primary hull (both top and bottom) are six BIP-9-21 phaser banks. To the rear of the primary hull are (1) 35B-4 JWL dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two SW-52-5421 warp nacelles attached to the primary hull by (1) 15 BLS-41 phaser pylons. Attached below the primary hull by the DLS-14-44 connecting dorsal is a (1) 15 T-8 transporter at a lower place. Located inside the dorsal for emergency off-loading are the M15-8-2E intercombiner and (1) 15 BLS-41 matter/antimatter storage tanks. Located between the dorsal and the arching place is a forward (1) 15 25-01 photon torpedo bay. In the event of an emergency, one or both nacelles can be jettisoned. Once separated, the primary hull can maneuver on the remaining warp nacelle at impulse power for extended periods of time.

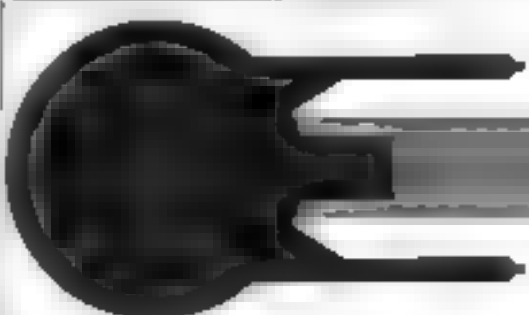
For additional details, refer to Datasheet MVA-2.

Class Emblem



Ship Silhouettes

Total Target Area 78605.95 m² 49995.54 m² 80947.13 m²
Average Target Area 80401.88 m² 15188.88 m² 20319.04 m²



Top Silhouette

Area 80198.47 m² 87374.08 m² 30507.88 m²



Front Silhouette

Area 9438.79 m² 4886.45 m² 4886.55 m²



CR0000 000000

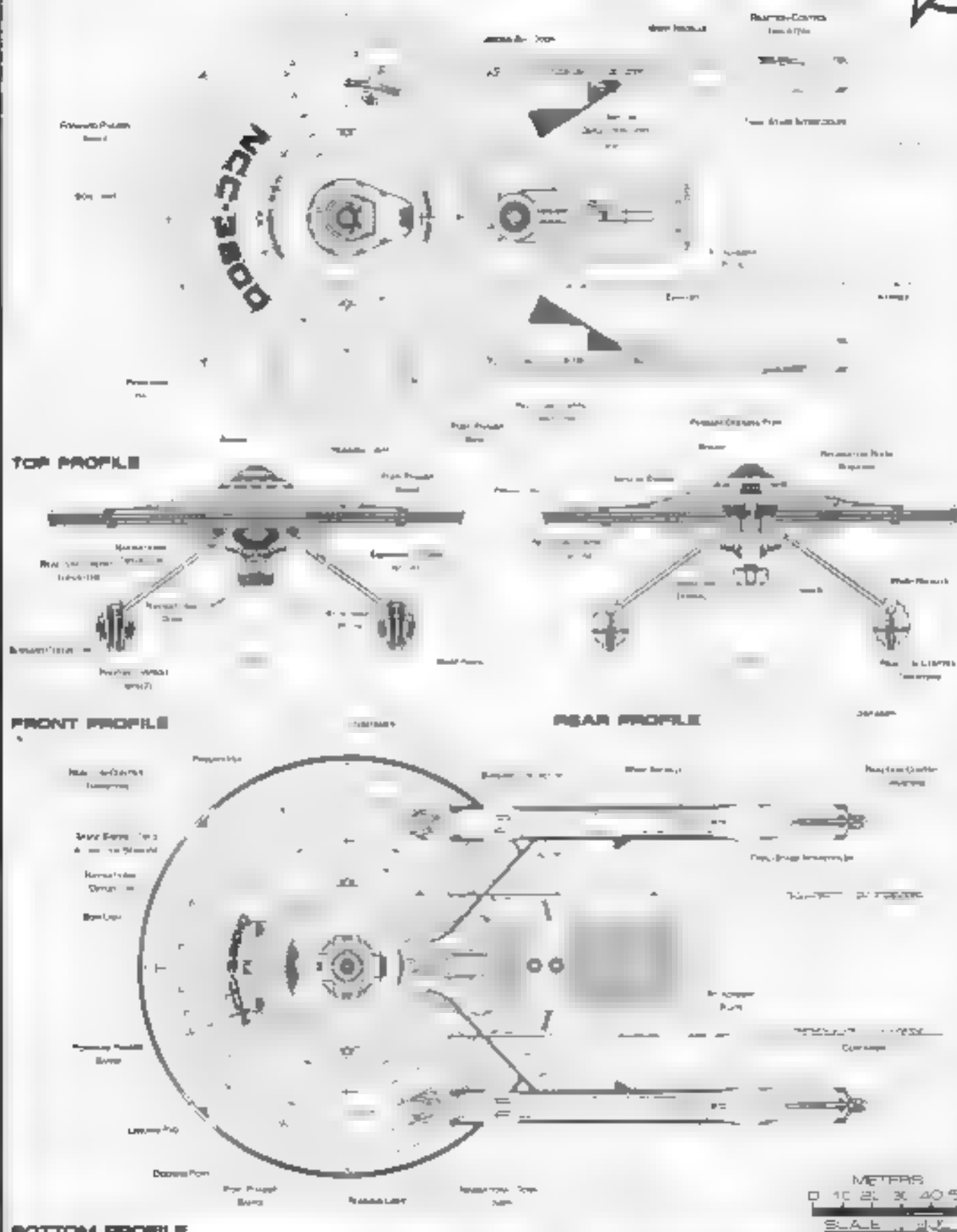
Statistics

[illegible]

Climbing Device
 Brower Laided Vialcap
 Flapjack Survey
 Fueler Survey 24
 Wheel Range 24
 Long Range 24
 Navigation
 Special 24
 Collapse 24
 Type Dystroms 24
 Type Dystroms 24

Weapon Power Index 11.0
 Physics Power Index 11.0
 Weapon Power Index 11.0
 Weapon Placement
 Weapon (Physical) Total: 80000 2 0000
 Output 100 100 100 100
 Range 10 100
 Rate of Fire 1000000
 Forward Banks 1
 Rear Banks 0
 Port Banks
 Starboard Banks 0
 Upper Banks 0
 Lower Banks
 Weapon (Magical) Total: 0
 Output 100
 Range 100
 Rate of Fire 100
 Forward/Rear Banks 1
 Port/Starboard Banks 0
 Upper/Lower Banks
 Total (Physical) Total: 100
 Bank 100
 Range 100
 Output 100
 Rate of Fire 100
 Forward Bay
 Rear Bay 0
 Starboard Bay: 0
 Upper Bay 0
 Lower Bay 0

TRANSPORT/TUG



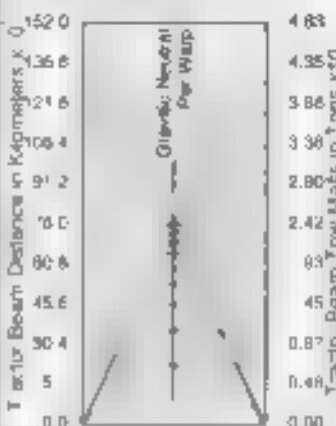
METERS
0 10 20 30 40 50
SCALE



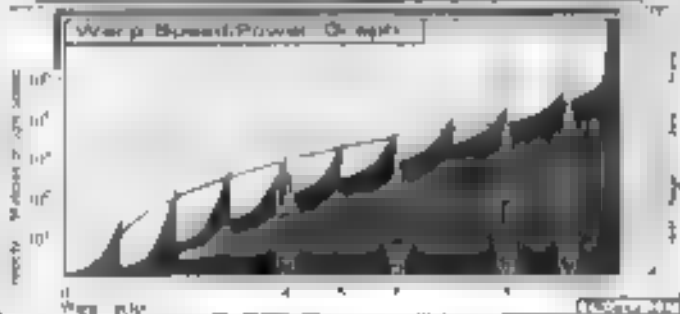
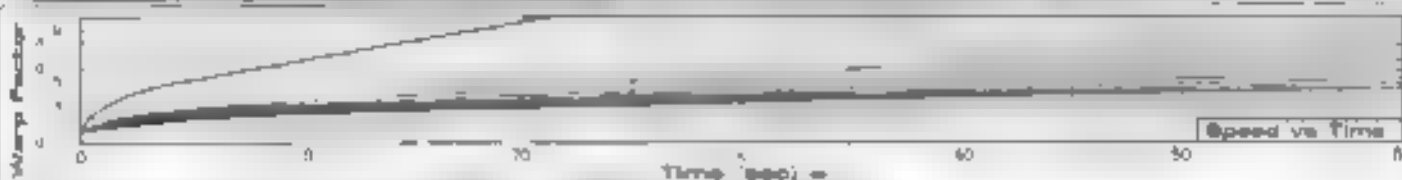
Ship Names

Tractor Beam Specifications

Primary Tracheo Bronchopulmonary



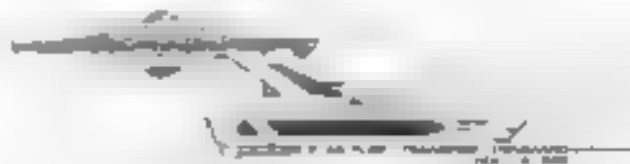
CLARK, R-02. LOST IN THE LINE OF DUTY. TROOPED ALL HAZARD STRESSOR WITH "U.S.A."



* Head Length 420-500mm
 * Tail Length 150-200mm
 * Body Length 100-150mm



Front Warp Field Profile
Cross Section Area 18772.34 m²

Ports Warp Field Profile
Cross Section Area 38078.88 m²

Top Warp Field Profile
Cross Section Area 22025.22 m²

LIQUID CONTAINER



Statistics

Classification: Container

Category: Liquid Container

Type: Tank

Model: LK

Manufacturer:

Overall Dimensions (Minimum)

Length: 23' 0m

Width: 48' 0m

Height: 48' 0m

Deployment (Metric Tons)

Standard: 4000

Full Load: 3000 (Max)

Durability (Years)

Standard: 15 Years

Maximum: 20 Years

Self-Contained Capabilities: 0

Officer: 0

Crew (Single Shift): 0

Passenger: 0

Emergency Supplies: 0

Medical Facilities:

Doctors: 0

Nurses: 0

Operating Rooms: 0

Beds: 0

Transportation Tonnage:

Person: 0

Small Cargo: 0

Medium Cargo: 0

Large Cargo: 0

Heavy Cargo: 0

Trailer: 0

Tonnage Capacity: N/A

Max Range: N/A

Cargo Specifications:

Standard Cargo Units: N/A

Cargo Capacity: 1' x 1' x 1' m

Deck Height: 4' 4m

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 0

Small Bay: 0

Medium Bay: 0

Large Bay: 0

Heavy Bay: 0

Shuttlecraft Standard:

Work Space: 0

Travel Pods: 0

Light Shuttle: 0

Aquatic Shuttle: 0

Shuttle Standard: 0

Heavy Shuttle: 0

Fighter: 0

Heavy Fighter: 0

Lifeboats:

Lifeboat (40 persons): 0

Lifeboat (100 persons): 0

Lifeboat (200 persons): 0

Lifeboat (300 persons): 0

Decking Rings:

Support (Input) Values:

Planetary Surface: 0.020

Short Range: 0.020

Long Range: 0.020

Navigation: 0.020

Special: 0.020

Computers:

Type: Daystrom Duplex B

Shield Rating:

Shield Power: 0.240

Shield Rate: 0.410

Shield Dimensions (Minimum)

Length: 282.01m

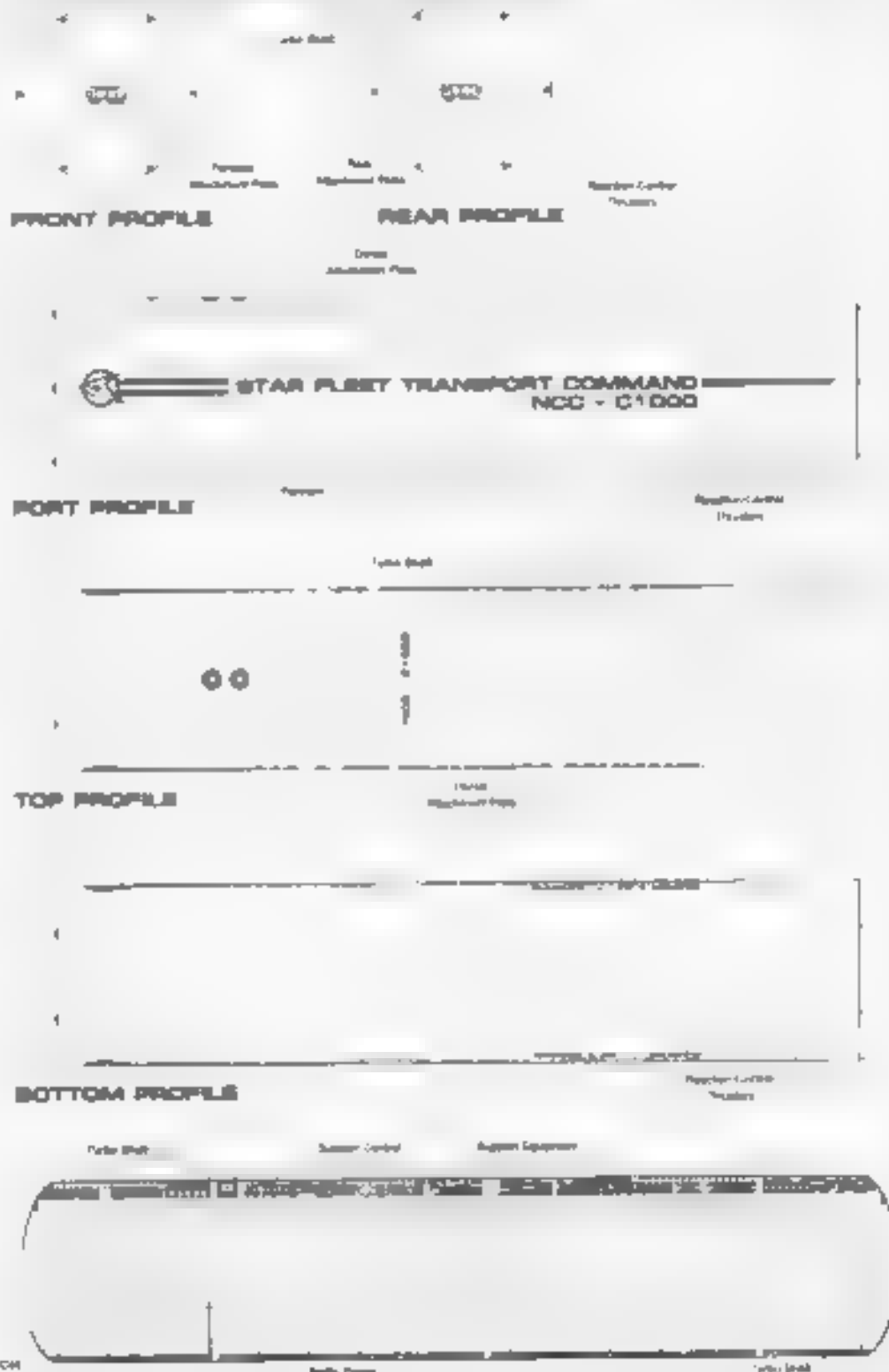
Width: 5' 6m

Height: 57.0m

General Information

The Liquid Container is used for the transportation of large amounts of liquid materials. The container is equipped with 62 separate baffled compartments which allows the transportation of different liquids in the same container.

For additional detail refer to Datasheet MVC 1



METERS

0 10 20 30 40 50

Scale 1:100

CROSS SECTION

Scale 1:100

Scale 1:100



DRY BULK CONTAINER

General Information

The Dry Bulk Container is used for the transportation of large amounts of material such as ore and grain. The container is equipped with 54 separate compartments, thus allows the transportation of different materials in the same container.

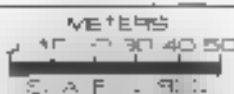
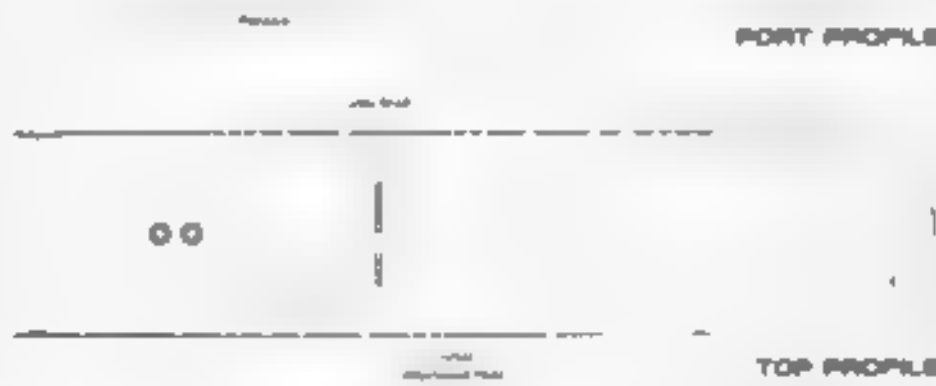
For additional detail, refer to Datasheet MVC-1.

Statistics

Classification: Container
Category: Dry Bulk Container
Type: Bulk
Model: MK-4
Dimensions:
 Overall Dimensions (Meters)
 Length: 35.05m
 Width: 45.00m
 Height: 48.00m
 Displacement (Metric Tons)
 Standard: 9.0m
 Full Load: 332,742m
 Durability (Years)
 Standard: 10 Years
 Maximum: 20 Years
 IIA Container Compliance: 0
 Officers: 0
 Crew (Basic Grade): 0
 Passengers: 1
 Emergency Condition: 0
Medical Facilities:
 Doctors: 0
 Nurses: 0
 Operating Rooms: 0
 Beds: 0
Transportation Total: 4
 1 Person: 0
 2 Person: 0
 4 Person: 0
 16 Person: 0
 32 Person: 0
 Small Cargo: 0
 Medium Cargo: 4
 Large Cargo: 0
 Super Cargo: 0
 Mega Cargo: 0
Traffic Status: 0
 Two Capacity: N/A
 Max. Range: N/A
Cargo Specifications:
 Standard Cargo Units: N/A
 Cargo Capacity: 374,180 m³
 Deck Height: 2.4 m
Storage/Display Specifications:
 Standard Bay Total: 0
 Small Bay: 0
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0
Standard Weapons: 0
 Star Wars: 0
 RCSS: 0
 Light Shuttle: 0
 Aquatic Shuttle: 0
 Shuttle Standard: 0
 Heavy Shuttle: 0
 Fighter:
 Heavy Fighter: 0
Lights: 4
 Turbolift (16 person): 4
 Liftboat: 10 person: 0
 Liftboat (10 person): 0
 Liftboat (10 person): 0
Docking Range:
 Sensor Input Values:
 Primary Survey: 0.020
 Short Range: 0.020
 Long Range: 0.020
 Navigation: 0.020
 Special: 0.020
Compliance:
 Type: Dry Bulk Container
Shield Rating:
 Shielded Power: 2.24E8
 Shielded Rate: 2.21E7
 Shield Dimensions (Meters)
 Length: 262.01m
 Width: 67.0m
 Height: 57.0m



STAR FLEET TRANSPORT COMMAND
 NCC - C2000



REEFERS CONTAINER



Statistics General Information

Classification: 042nd
 Category: Reefers Container
 Type: J
 Model: MC-11
 Dimensions:
 Overall Dimensions (Metric)
 Length: 5.0m
 Width: 4.0m
 Height: 4.0m
 Displacement (Metric Tonn)
 Standard: 15.0m
 Full Load: 30.0m
 Duration (Year)
 Standard: 1000
 Maximum: 1000
 640 Computer Components: 0
 Offices:
 Crew (Kings Grade)
 Passenger:
 Suppl. capacity condition: 0
 Medical Facilities:
 Doctors: 0
 Nurses: 0
 Operating Rooms: 0
 Beds:
 Transporters Total: 4
 1 Person: 0
 2 Person: 0
 3 Person: 0
 12 Person: 0
 22 Person: 0
 Small Cargo: 0
 Medium Cargo: 4
 Large Cargo: 0
 Super Cargo: 0
 Mega Cargo: 0
 Transfer Bays: 0
 Low Capacity: 0
 Max Range: 0
 Cargo Specifications:
 Standard Cargo Units: 0
 Cargo Capacity: 0
 Deck Height: 0
 Shuttlecraft Speed/Range:
 Shuttlecraft Bay Total: 0
 Small Bay: 0
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0
 Shuttlecraft Standard: 0
 Work Area: 0
 Travel Pods: 0
 Light Shuttle: 0
 Aquatic Shuttle: 0
 Shuttle Standard: 0
 Heavy Shuttle: 0
 Fighters: 0
 Heavy Fighters: 0
 Lifboats: 4
 Lifboat (5 person): 4
 Lifboat (10 person): 0
 Lifboat (20 person): 0
 Lifboat (30 person): 0
 Decking Range:
 Sensor Input Values:
 Phasor Gun: 0.020
 Short Range: 0.020
 Long Range: 0.020
 Navigation: 0.020
 Special: 0.020
 Weapons:
 Type: 0.020
 Shield Rating:
 Shield Power: 0.020
 Shield Rate: 0.020
 Shield Dimensions (Metric)
 Length: 0.020
 Width: 0.020
 Height: 0.020

The Reefers Container is used for the transportation of large amounts of materials that require special maintenance and transportation. The container is equipped with 500 separate climate controlled compartments.

For additional detail refer to Datasheet MVC 1

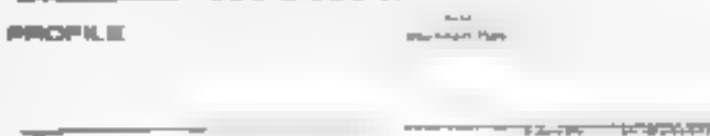


STAR FLEET TRANSPORT COMMAND
NCC 63000

PORT PROFILE



TOP PROFILE



BOTTOM PROFILE



CROSS SECTION





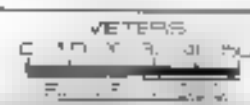
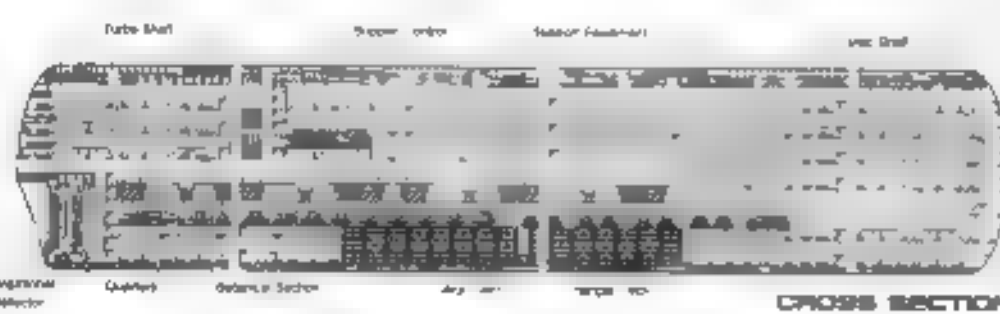
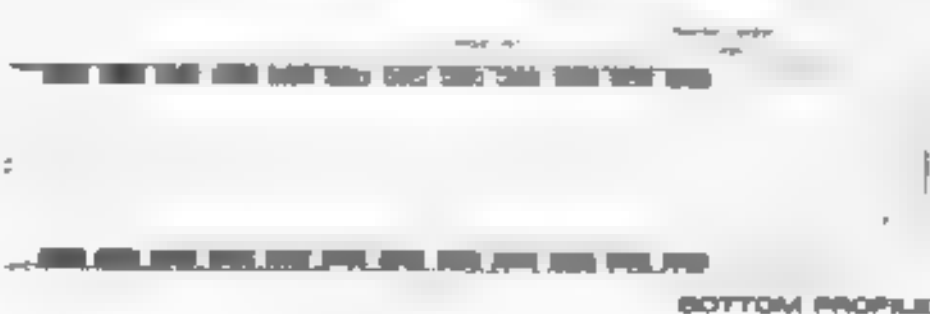
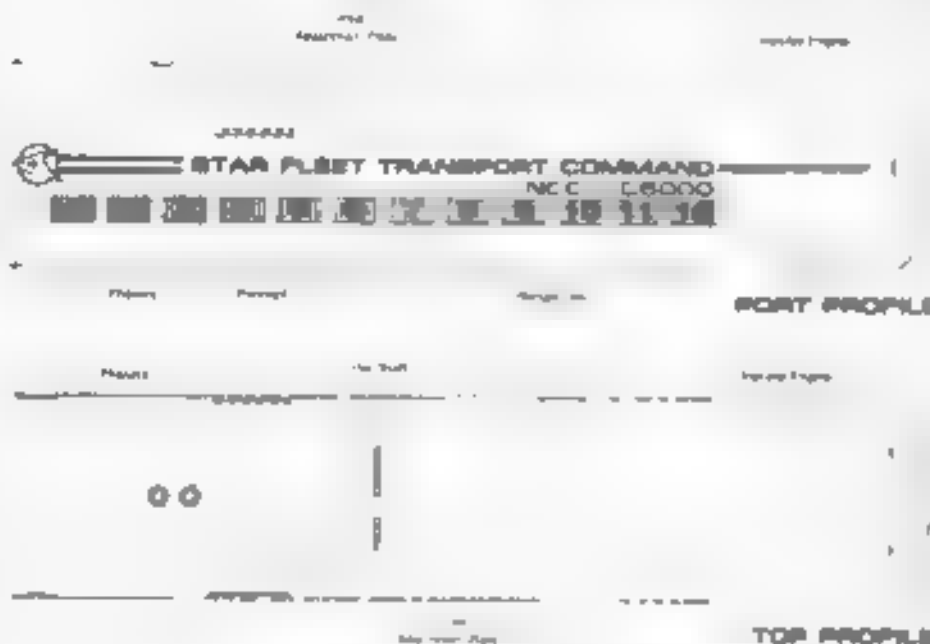
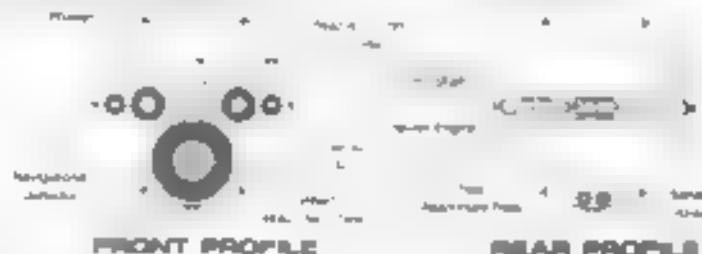
ASSAULT CONTAINER

General Information

The Assault Transport Container is used for the transportation and support of Federation Peace Keeping Forces Starfleet Marines. The container is equipped with facilities and supplies to support the troops. The container is also equipped with a twenty four bay hangar deck used for fighters and assault craft. For additional detail refer to datasheet MVC 2.

Statistics

Classification: container
Category: Assault Transport Container
Type: MVC 7
Model: MVC 7
Displacement:
Overall Dimensions (Meters):
 Length: 31.5m
 Width: 45.0m
 Height: 48.0m
Displacement (Metric Tons):
 Standard: 12,000m
 Full Load: 24,000m
Duration (Years):
 Standard: 10
 Maximum: 20
204 Available Complement: 204
Officers: 10
Crew (Range Grade): 400
Passengers: 10
Supporter capabilities: 100
Medical Facilities:
 Doctors:
 Nurses: 20
 Operating Rooms: 2
 Beds: 5
Transporters Total: 21
 1 Person: 0
 2 Person: 1
 3 Person: 1
 4 Person: 1
 5 Person: 1
 6 Person: 1
 7 Person: 1
 8 Person: 1
 9 Person: 1
 10 Person: 1
 11 Person: 1
 12 Person: 1
 13 Person: 1
 14 Person: 1
 15 Person: 1
 16 Person: 1
 17 Person: 1
 18 Person: 1
 19 Person: 1
 20 Person: 1
 21 Person: 1
Tractor Beams: 0
 Tractor Capacity: N/A
 Max Range: 0
Cargo Bay: 10 bays
 Standard Cargo Bays: 10
 Cargo Capacity: N/A
 Deck Height: 4 m
Shuttlecraft Specifications:
Shuttlecraft Bays Total:
 Small Bay: 1
 Medium Bay: 0
 Large Bay: 1
 Super Bay: 0
Shuttlecraft Standard: 72
 Work Deck: 0
 Travel Pods: 1
 Light Shuttle: 0
 Aquatic Shuttle: 2
 Shuttle Standard: 1
 Assault Shuttle: 1
 Fighter: 1
 Heavy Fighter: 1
Lifboats: 0
 Turbotech 16 person: 20
 Lifboat: 0 person: 0
 Lifboat: 30 person: 0
 Lifboat: 60 person: 0
Docking Rings:
Access Input Values:
 Planetary Survey: 0.020
 Sensor Range: 0.0
 Long Range: 0.020
 Navigation: 0.020
 Special: 0.0
Compositions:
 Type: Assault Container P
Shield Rating:
 Shielded Power: 3.24E6
 Surface Area: E7
 Shield Dimensions (Meters):
 Length: 762 Lm
 Width: 0.0m
 Height: 0.0m



ENGINE REPAIR CONTAINER

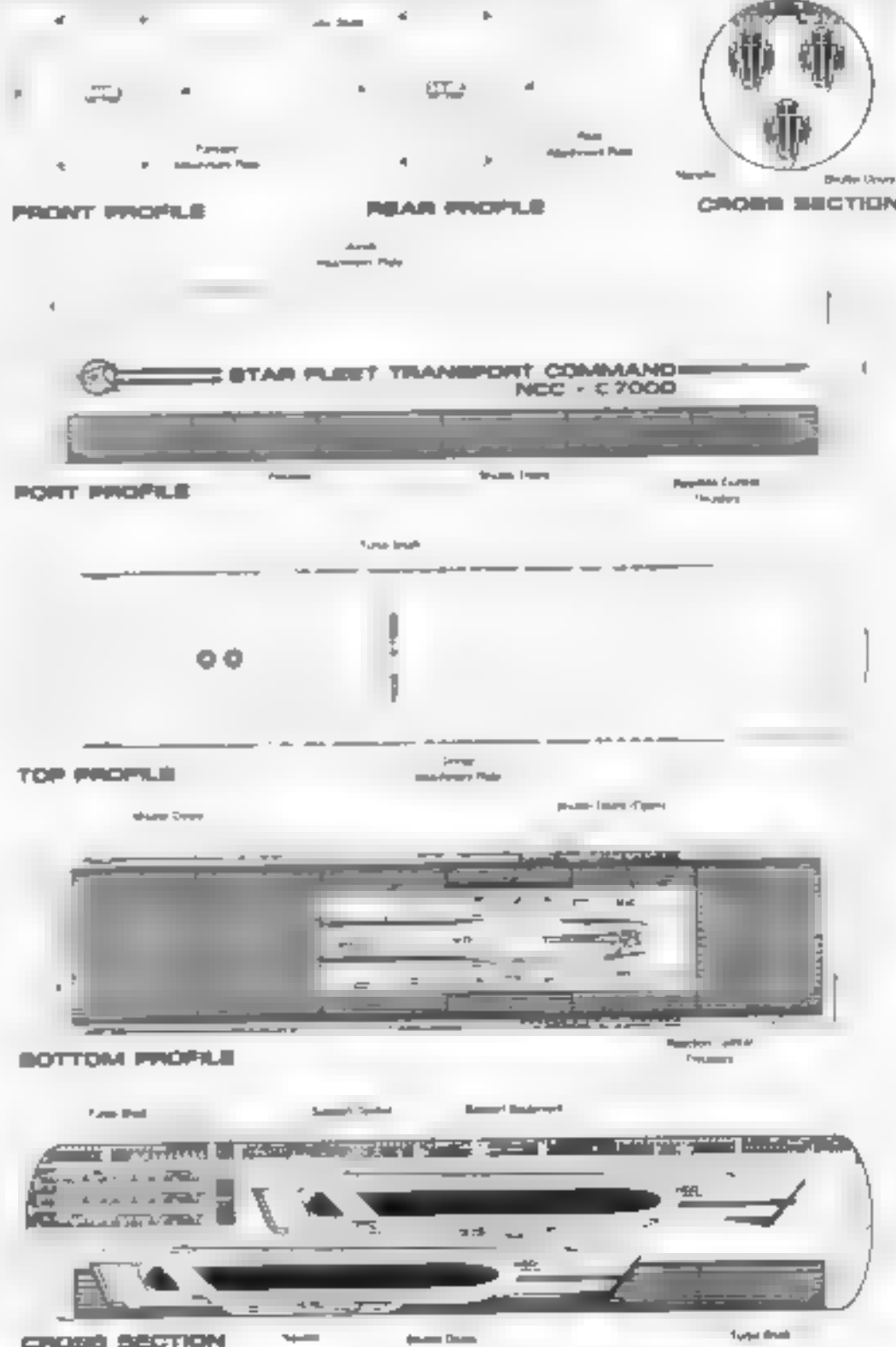


Statistics

Classification: Transport
Category: Engine Repair Container
Type: 100-7
Model: MK-VII
Manufacturer:
Overall Dimensions (Standard)
 Length: 31.0m
 Width: 46.0m
 Height: 48.0m
Displacement (Metric Tonn)
 Standard: 101,423MT
 Full Load: 342,423MT
Duration (Years)
 Standard: 5 Years
 Maximum: 20 Years
Std. Container Complement: 400
 Officers: 1
 Crew (Single Shift): 60
 Passengers: 10
 Emergency ejection: 400
Medical Facilities:
 Decks: 4
 Rooms: 4
 Operating Rooms: 2
 Beds: 1
Transportation Data:
 1 Person: 0
 2 Person: 0
 4 Person: 0
 12 Person: 0
 24 Person: 0
 Small Cargo: 0
 Medium Cargo: 4
 Large Cargo: 0
 Super Cargo: 0
 Mega Cargo: 0
Traffic Control:
 Tow Capacity: 3 (Standard)
 Max Range: 0 (100m)
Cargo Specification:
 Standard: Large Under 10t
 Cargo Capacity: 790,146.8 m³
 Deck Height: 4m
Shuttlecraft Specifications:
 Shuttlecraft Bays Total:
 Small Bay: 1
 Medium Bay: 0
 Large Bay: 0
 Super Bay:
Shuttlecraft Standard: 27
 Work Deck: 20
 Turret Pods: 5
 Light Shuttle: 0
 Aquatic Shuttle: 0
 Shuttle Standard: 3
 Heavy Shuttle: 0
 Fighter:
 Heavy Fighter: 0
 Lifeboats: 5
 Turbolift (8 persons): 4
 Lifeboat (10 persons): 0
 Lifeboat (20 persons): 4
 Lifeboat (30 persons): 0
Decking Rings:
 Sensor Upper Volume:
 Planetary Survey: 0.020
 Short Range: 0.020
 Long Range: 0.112
 Navigation: 0.020
 Special: 0.020
Computers:
 Type: Janssen Electronic
 Matrix Rating:
 Model Power: 3.742
 Turboch Rate: 2.275
Shield Dimensions (Standard)
 Length: 92.0m
 Width: 57.0m
 Height: 57.0m

General Information

The Engine Repair Container is used for the transportation and installation of warp nacelles. The container can carry up to three nacelles with families and shops for repair work located on the bottom of the container are 2 large shutter doors that allow the engine from a distressed ship to be pulled inside without disassembly for easier repair work. For additional detail refer to datasheet MVL 2





LARGE PRODUCT CONTAINER

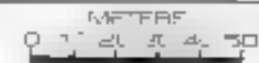
General Information

The Large Product Container is used for the transportation of large items that can not be moved by a tractor beam. This container is equipped with a large dink located at the rear to allow items to be placed inside.

For additional detail refer to Datasheet MVC 2

Statistics

Classification: Container
Category: Large Product Container
Type: 100
Model: MP-118
Distribution:
 Overall Dimensions (Meters)
 Length: 1.05m
 Width: 4.00m
 Height: 4.00m
Deployment: (Metric Tons)
 Standard: 30-200
 Full Load: 15-50 MTN
Duration: (Years)
 Standard: Years
 Maximum: 20 Years
Redundancy: (Complete): 0
 CMR: 14
 Crew Storage Grade: 0
 Passengers
 Emergency condition: 0
Medical Facilities:
 Bed sets: 0
 Nurses
 Operating Rooms: 0
 Beds: 0
Transportation: (Tons): 7
 1 Person
 2 Person: 0
 4 Person
 5 Person: 0
 12 Person: 0
 Small Cargo: 0
 Medium Cargo
 Large Cargo
 Super Cargo: 0
 Mega Cargo: 0
Tractor Capacity:
 Top Capacity: 100 MTN
 Max Tow Capacity: 100 MTN
Cargo Specifications:
 Standard Cargo Units: 4.0
 Cargo Capacity: 1.0 x 1.0 m³
 Deck Height: 4.0 m
Shuttlecraft Specifications:
 Shuttlecraft Bay Total: 0
 Small Bay: 0
 Medium Bay: 0
 Large Bay
 Super Bay: 0
 Shuttlecraft Standard: 0
 Work Area: 0
 Travel Pods: 0
 Light Shuttle: 0
 Aquatic Shuttle: 0
 Heavy Shuttle: 0
 Heavy Shuttle: 0
 Heavy Shuttle: 0
 Heavy Shuttle: 0
Lifeboats:
 Turbidity (7 person)
 Lifeboat: 0 person: 0
 Lifeboat: 30 person: 0
 Lifeboat: 30 person: 0
Decking Rings:
 Defense Layer Values:
 Fleetside Battery: 0.000
 Short Range: 0.01
 Long Range: 0.00
 Navigation: 0.000
 Special: 0.020
Compass:
 Type: Telescope (Duplex) 10
Shield Rating:
 Shield Power: 0.000
 Shield Rate: 0.000
Shield Dimensions (Meters):
 Length: 4.0 m
 Width: 5.0 m
 Height: 1.0 m



SHUTTLECRAFT CONTAINER



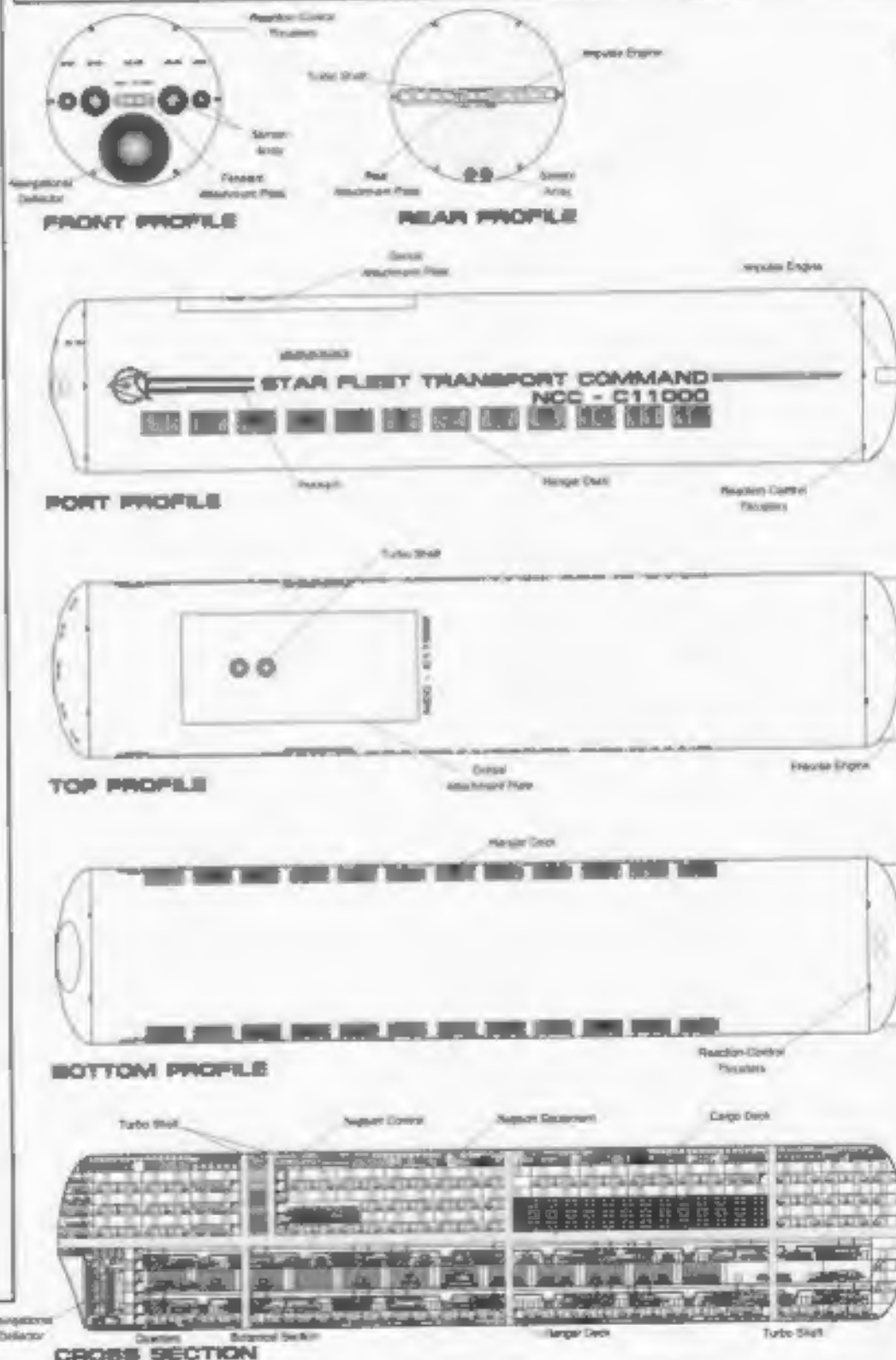
Statistics

Classification: *Container*
Category: *Shuttlecraft Container*
Type: *Class T*
Model: *606-A*
Dimensions:
Overall Dimensions (Meters):
Length: 225.05m
Width: 48.00m
Height: 48.00m
Displacement (Metric Tonn)
Standard: 185,321mt
Full Load: 354,719mt
Duration (Years)
Standard: 15 Years
Maximum: 20 Years
Std. Container Complement: 365
Officers: 38
Crew (Ensigns Double): 350
Passengers: 30
Emergency conditions: +200
Medical Facilities:
Doctors: 5
Nurses: 15
Operating Rooms: 4
Beds: 30
Transports Total: 10
1 Person: 0
2 Person: 0
4 Person: 4
12 Person: 0
22 Person: 2
Small Cargo: 0
Medium Cargo: 4
Large Cargo: 0
Super Cargo: 0
Mega Cargo: 0
Troopster Busses: 0
Ton Capacity: N/A
Max. Range: N/A
Cargo Specifications:
Standard Cargo Units: 100
Cargo Capacity: 5,000 mt
Deck Height: 2.4 / 2.2m
Shuttlecraft Specifications:
Shuttlecraft Bays Total: 2
Small Bay: 0
Medium Bay: 0
Large Bay: 2
Super Bay: 0
Shuttlecraft Standard: 27
Work Boats: 15
Travel Pods: 1
Light Shuttle: 20
Aquatic Shuttle: 5
Shuttle Standard: 25
Heavy Shuttle: 15
Fighter: 0
Heavy Fighter: 5
Lifelines: 15
TurboHlt (8 persons): 8
Lifeboat (10 persons): 0
Lifeboat (20 persons): 0
Lifeboat (30 persons): 0
Lifeboat (36 persons): 0
Docking Rings: 2
Sensor Input Values:
Planetary Survey: 0.020
Short Range: 0.020
Long Range: 0.020
Navigation: 0.020
Speed: 0.020
Computers: 1
Type: Crayston Duetronic 8
Shield Rating:
Bolted Power: 3.24E9
Refresh Rate: 8.21E7
Shield Dimensions (Meters):
Length: 282.07m
Width: 57.6m
Height: 57.6m

General information

The Shuttlecraft Container is used for the support of a large number of shuttles and fighters. The container is equipped with a twenty four bay hangar deck with two additional main hangar decks. Located above the hangar facilities are the living quarters for the pilots.

For additional detail refer to Datasheet MVC-3



METERS
0 10 20 30 40 50
SCALE 1:1600



SURVEY CONTAINER

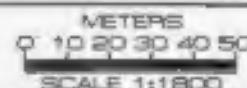
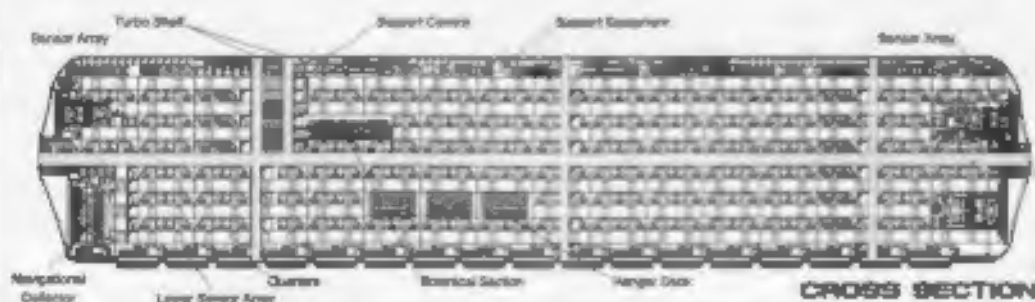
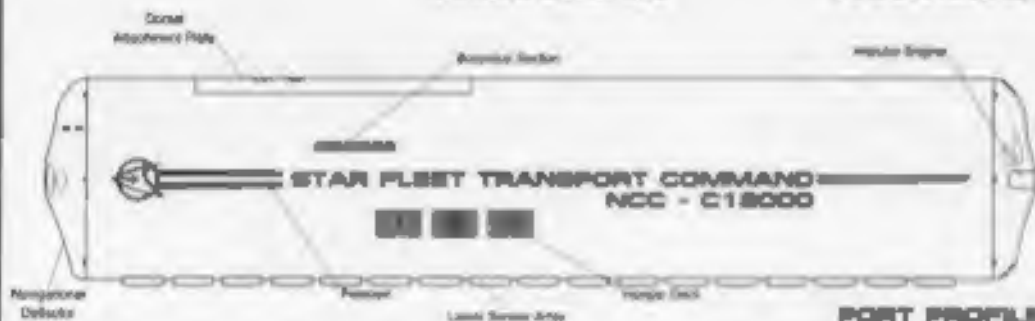
General Information

Statistics

The Survey Container is used for exploration, charting and research. The container is equipped with extensive laboratories and sensors. The container is also equipped with a six bay hangar deck used for specific location surveys.

For additional detail refer to Datasheet MVC-3

Classification: Container
Category: Survey Container
Type: Class 7
Model: MVC-KII
Dimensions:
Overall Dimensions (Meters)
 Length: 235.05m
 Width: 48.00m
 Height: 49.21m
Displacement (Metric Tons)
 Standard: 234,448m
 Full Load: 355,891m
Duration (Years)
 Standard: 15 Years
 Maximum: 30 Years
Std. Container Complement: 300
Officers: 36
Crew (Ensign Grade): 520
Passengers: 30
Emergency condition: +300
Medical Facilities:
 Doctors: 5
 Nurses: 12
 Operating Rooms: 4
 Beds: 15
Transportation Total: 10
 1 Person: 0
 2 Person: 0
 3 Person: 4
 12 Person: 0
 25 Person: 2
 Small Cargo: 0
 Medium Cargo: 4
 Large Cargo: 0
 Super Cargo: 0
 Mega Cargo: 0
Trooper Teams: 0
 Troop Capacity: N/A
 Max. Range: N/A
Cargo Specifications:
 Standard Cargo Units: 300
 Cargo Capacity: 15,000 m
 Deck Height: 2.4 m
Shuttlecraft Specifications:
 Shuttlecraft Bay Total: 1
 Small Bay: 0
 Medium Bay: 1
 Large Bay: 0
 Super Bay: 0
Shuttlecraft Standard: 24
 Work Bee: 2
 Travel Pod: 2
 Light Shuttle: 1
 Aquatic Shuttle: 2
 Shuttle Standard: 4
 Heavy Shuttle: 2
 Survey Shuttle: 10
 Heavy Fighter: 0
Lifelines: 22
 Turbolift (8 person): 12
 Lifeline (10 person): 0
 Lifeline (30 person): 0
 Lifeline (80 person): 10
Docking Rings: 2
Scanner Input Values:
 Planetary Survey: 1,500
 Short Range: 1,754
 Long Range: 1,344
 Navigation: 0,803
 Special: 1,822
Computers: 1
 Type: Daystrom Duotronic 6a
Shield Rating:
 Shield Power: 3,24E8
 Refresh Rate: 9,21E7
Shield Dimensions (Meters)
 Length: 282.01m
 Width: 57.6m
 Height: 57.6m





Closing Information

Closing

First off I would like to express my thanks to you for purchasing this book. I have tried to give the most information that I can for each ship without reducing the number of ships described. This in turn has lead to small print. I hope that this is not an inconvenience to anyone and if it is, I would like to express my deepest apology.

Stardate Errata

In place of the stardates, I have used the actual YEAR.MONTH due to the fact that I can not get an accurate stardate, as every group has a stardate system that while close do not all match (Some systems differ by as much as 50 years). To achieve the stardate you need just use the date given and apply it to the stardate system you are acquainted with.

Warp speed Errata

I have had a number of people inquire as to why I have used the new warp curve system on older ships. The thing to understand here is that this curve also fits the older ships and is simply a conversion; when I get around to drawing the new ships the statistics will match and a ship to ship comparison can be made. A conversion chart has been included at the beginning of the ship section so that you can convert back to the old warp numbers.

Acknowledgments

I would like to acknowledge the many people, places, movies, magazines and reference materials that I have use to get the most accurate information for my work.

First off I would like to thank my wife Diane for encouraging me to reprint this book and her proof reading that helped catch a number of mistakes that I had missed (forest for the trees).

I would also like to mention Franz Joseph for his original work which a number of ships in this book are based on, his work has influenced every starship design that has ever been created.

I would like to thank the following magazines: Starlog, Future, Fantastic Films, Challenge, Stardate, Cinefix, Science Fiction Modeler, Fine Scale Modeler, Galactic Engineers Concordance and Digest Group for all the photos and excellent articles and insight that these magazines have given me in my research.

I would like to thank Chris Hatfield for his friendship and extensive help in re-writing my text in an effort to provide a better product.

I would like to thank Alex Rosenzweig for his help in the NCC numbering for the new ships in this book and by sending me a copy of his ship database which saved me a large amount of time and helping create the Ship Names for the New ships in this expanded version of Volume 1.

I would also like to make note of Roy Firestone for his publication Galactic Engineers Concordance which was a non profit Techzine that he published which is made up of contributions from his readers. Various articles that have been included have helped in my train of thought for creating my starship designs. Thanks to Roy and the contributors of GEC.

I would like to thank Thomas Sasser for providing me with some detailed information for the 1701-A.

I would like to thank Magne Kristiansen, Richard Fisher, Don Shanks, Paul Hollingsworth, Scott Bell, and Shane Johnson for their suggestions and proofing that helped me catch errors that might have slipped through if they had not spotted them.

I would also like to thank all the people who were involved in the original stories and artwork creations. By looking at their models, photos, sketches and story lines I was able to draw additional craft that I hope still retained much of the flavor of the original story. I am sorry that I am not able to list their names but in many instances I have no idea who these individuals are.

Special thanks to my wife Diane for pushing me to redraw and reprint this book (if it had not been for her encouragement I would not have done it) and for her putting up with my crazy work hours to finish it, thanks honey.

My daughters Jaculynn and Jillian (where the name Jackill came from for the daily reminders of the sweet things in life with their smiles and hugs).

And special thanks to my son's Derek, Joshua and Michael for their support and understanding through this project.

I would also like to give special mention Anthony "Tiny" Abbe for his help on my first book, who he so politely pointed out that I forgot to mention him, sorry Tiny I'm just not worthy.

And finally I would like to thank Eugenio Angeria III for his contribution. Although he does not know it, a page he sent me caused me to include the tractor beam calculator for each ship. I modified the standard tractor beam calculator for the various warp speeds. And also thanks for his starship idea contributions that appear in Vol. 2.

Ship Classes named after individuals

* U.S.S. Lynch - Light Destroyer (Chris Lynch) * U.S.S. Pense - Long Range Destroyer (Brad Pense) * U.S.S. Abbe - PT Destroyer (Anthony "Tiny" Abbe) * U.S.S. Hatfield - Command Cruiser (Chris Hatfield) * U.S.S. Iverson - Cruiser (Steve Iverson) * U.S.S. Shanks - Light Cruiser (Don Shanks) * U.S.S. Hatfield - Command Cruiser (Chris Hatfield) * U.S.S. Murphy - Tactical Frigate (Aaron Murphy) * U.S.S. Hensley - Heavy Transport/Tug (Charles Hensley) * U.S.S. Fisher - Light Transport/Tug (Richard Fisher) * U.S.S. Moncrief - Transport/Tug (Jay Moncrief). The ships were named after people that I have know and I felt worthy of having a ship classes named after them.

What was required to produce this book

I want to include a little information on what it took to produce this book. My first book was Jackill's Guide to Light Attack Craft (Volume 1) which was produced using MacDraw II (The best thing out at the time).

For my other books I have switched to Canvas (Available for both Mac and Windows). This version of Ships of the Fleet Vol.1 has been completely redrawn from the ground up. Over the years with the help of friends and the Internet I have been able to collect a very large database of research material that has allowed me to make much more accurate drawings. The first printings of this book took up around 34 Meg and has increased to 296.6 Meg in this printing due to increased detail and additional material included (my first book, Light Attack Craft Vol.1, was around 6 Meg, and my third, Ships of the Fleet Vol.2, was around 46.5 Meg, with power comes detail. This book has also been printed using digital files that were sent to the printer to increase the resolution of the drawings I hope you enjoy.

Information About Back Page

I have provided the contact information to a number of groups that my readers might also like to get hold of. All of these groups are provided space free of charge as my way of helping Trek Fandom expand and hoping that in the long run more movies and materials will be produced.

Concern (My own personal soap box)

As I watch the world around me I see so many injustices that happen to children. Please keep an extra eye on the children around you, you just might be able to protect the innocence and maybe the life of a child.

Warnings & Disclaimers

WARNING: This book attracts every other piece of matter in the universe. Including books from other publishers, with a force proportional to the product of the masses and inversely proportional to the square of the distance between them.

ADVISORY: There is an extremely small but nonzero chance that, through a process known as "tunneling," this book may spontaneously disappear from its present location and reappear at any random place in the universe. The publisher will not be responsible for any damages or inconvenience that may result from this missing book.

NOTE: The most fundamental particles in the book are held together by a "gluing" force about which little is currently known and whose adhesive power can therefore not be permanently guaranteed.

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NOTE: Any reference to any lifeform living, dead or totally non-existent is purely coincidental and most likely not intentional.

Jackill's
STARFLEET REFERENCE MANUAL

Ships of the Fleet
Volume I



1
A-ERA